

Part 1: The First Stream -----1

Part 2: Append the Second Stream-----30

## Using Alteryx

Alteryx is used by several Big Four accounting firms to automate the ETL process. In this exercise, you will **Extract** the General Journal file, **Transform** the data into the required format (a General Ledger and an Unadjusted Trial Balance), and then **Load** the transformed data into Excel.

The journal entries for *A Byte of Accounting* are stored in an Excel sheet titled General Journal. Notice that the column headings are in the fourth row, and some rows do not have account numbers.

Begin with the General Journal

A	B	C	D	E	F	G	H	I
1				<b>A Byte of Accounting, Inc.</b>				
2				<b>General Journal</b>				
3				Note: You can only enter data into the yellow filled cells.				
4	Transaction	Date	Account	Name	Description	Debit	Credit	
5								
6	01	Jun 01	1110	Cash	Investment from Mark Friedman	28,000.00		
7	01	Jun 01	3100	Capital Stock	Investment from Mark Friedman		28,000.00	
8								
9								
10								
11	02	Jun 01	1211	Office Equip.	Hudson equipment Invoice BC3887	4,000.00		
12	02	Jun 01	2101	Accounts Payable	Hudson equipment Invoice BC3887		4,000.00	
13								
41	08	Jun 14	1110	Cash	Services performed by Lucas Pictures	11,000.00		
42	08	Jun 14	4100	Computer & Consulting Revenue	Services performed by Lucas Pictures		11,000.00	
43								
				General Journal	General Journal Part 2	Worksheet	Income Statement	Changes in Retain ...

End with the General Ledger

and

the Unadjusted Trial Balance

A	B	C	D	E	F	G	H
Account Name	Transaction	Date	Description	Debit	Credit	Running Balance	
1110 Cash	1	6/1/2018	Investment from Mark Friedman	\$28,000.00	\$ -	\$ 28,000.00	
1110 Cash	3	6/1/2018	Hailey Computers 87245, ck6001	\$ -	\$ 7,000.00	\$ 21,000.00	
1110 Cash	5	6/4/2018	Scanner, Jake Supplies, 54-541 ck6002	\$ -	\$ 125.00	\$ 20,875.00	
1110 Cash	7	6/8/2018	Pd A/p ck6003	\$ -	\$ 640.00	\$ 20,235.00	
1110 Cash	8	6/14/2018	Services performed by Lucas Pictures	\$11,000.00	\$ -	\$ 31,235.00	
1211 Office Equip.	2	6/1/2018	Hudson equipment Invoice BC3887	\$ 4,000.00	\$ -	\$ 4,000.00	
1211 Office Equip.	5	6/4/2018	Scanner, Jake Supplies, 54-541 ck6002	\$ 125.00	\$ -	\$ 4,125.00	
1311 Computer Equip.	3	6/1/2018	Hailey Computers 87245, ck6001	\$ 7,000.00	\$ -	\$ 7,000.00	
2101 Accounts Payable	2	6/1/2018	Hudson equipment Invoice BC3887	\$ -	\$ 4,000.00	\$ (4,000.00)	
2101 Accounts Payable	4	6/2/2018	Avery Repairs, Invoice 25478	\$ -	\$ 725.00	\$ (4,725.00)	
2101 Accounts Payable	6	6/8/2018	Zac Advertising, 23547	\$ -	\$ 3,380.00	\$ (8,105.00)	
2101 Accounts Payable	7	6/8/2018	Pd A/p ck6003	\$ 640.00	\$ -	\$ (7,465.00)	
3100 Capital Stock	1	6/1/2018	Investment from Mark Friedman	\$ -	\$ 28,000.00	\$ (28,000.00)	
4100 Computer & Consulting Revenue	8	6/14/2018	Services performed by Lucas Pictures	\$ -	\$ 11,000.00	\$ (11,000.00)	
5030 Advertising Expense	6	6/8/2018	Zac Advertising, 23547	\$ 3,380.00	\$ -	\$ 3,380.00	
5040 Repairs & Maint. Expense	4	6/2/2018	Avery Repairs, Invoice 25478	\$ 725.00	\$ -	\$ 725.00	

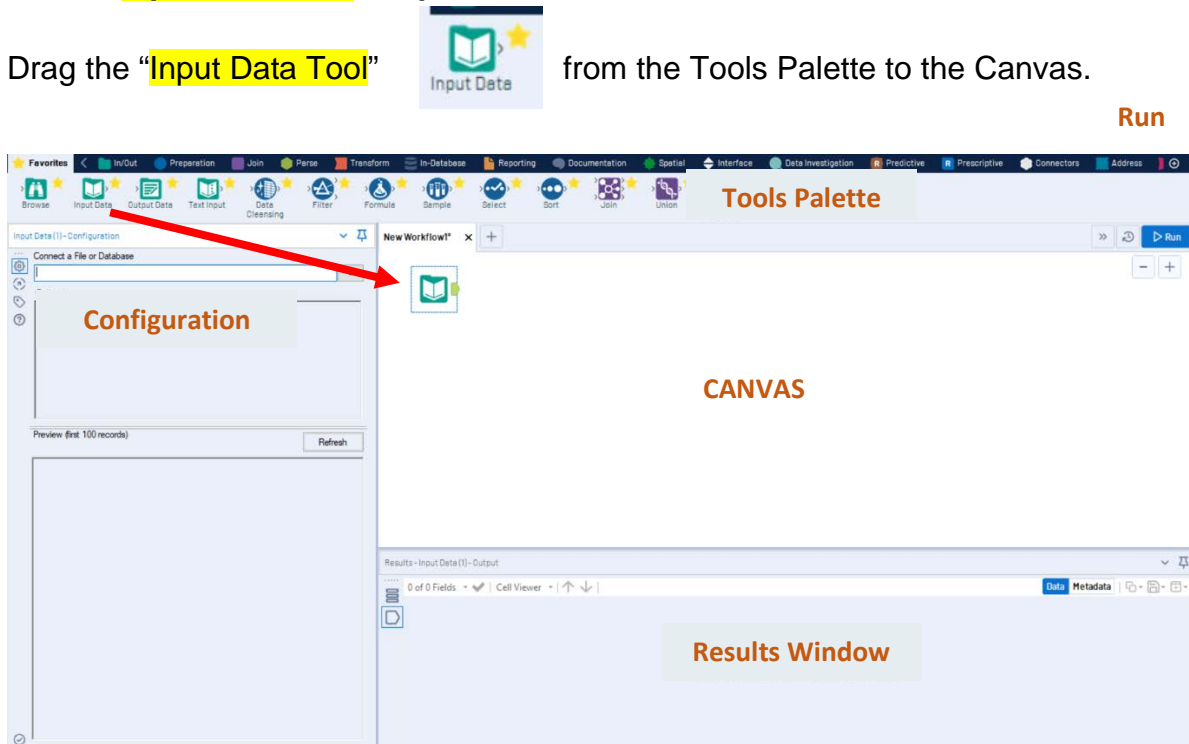
A	B
Account And Name	Balance
1110 Cash	31235
1211 Office Equip.	4125
1311 Computer Equip.	7000
2101 Accounts Payable	-7465
3100 Capital Stock	-28000
4100 Computer & Consulting Revenue	-11000
5030 Advertising Expense	3380
5040 Repairs & Maint. Expense	725

## Start Alteryx

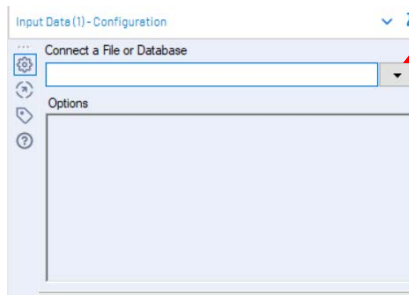
There are four major parts of the Alteryx window. The first is the Canvas, and that's where we're going to create the workflow. Second, the Tools Palette is where all the tools are stored. Third, the Configuration area is where the tool settings are modified. Lastly, the Results window shows us the result after we select "Run" to apply the changes.

### Tool 1: **Input Data Tool** – Input Excel file

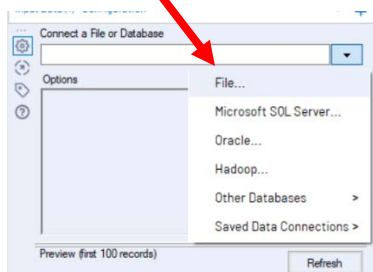
Drag the "**Input Data Tool**" from the Tools Palette to the Canvas.



In the Configuration area, select the “Connect a File or Database” drop-down arrow.

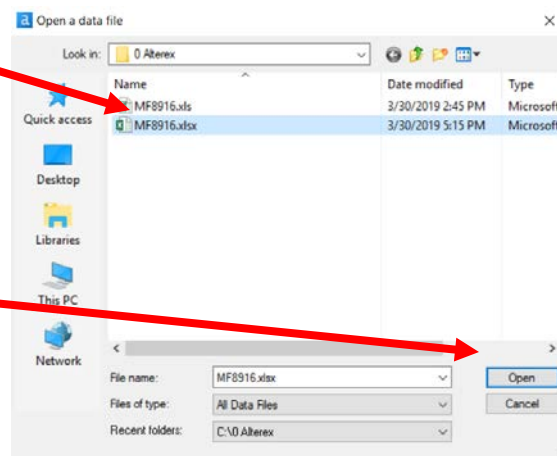


Select “File”.



Browse for the desired file and select the version with the .xlsx file extension.

Select “Open”.



Select the drop-down arrow to the right of "Balance Sheet".

Select Excel Input

☒ Select a sheet

Balance Sheet

☐ Select a named range

Select option...

☐ Import only the list of sheet names

Help Cancel OK

Select "General Journal".

Select "OK".

Select Excel Input

☒ Select a sheet

Balance Sheet

Balance Sheet

Changes in Retained Earnings

Chart of Accounts

Data for General Ledger

FAQ

General Journal

Income Statement

Introduction

Ledger

Profit Table in Memorandum

General Journal

Help Cancel OK

Remember that the field names are in the fourth row.

In the Configuration area, change the number in “Start Data Import on Line” to “4”.

Connect a File or Database

C:\0 Alterex\MF8916.xlsx

Options

Name	Value
2 File Format	Microsoft Excel (*.xlsx)
3 Table or Query	'General Journals'
4 Search SubDirs	<input type="checkbox"/>
5 Output File Name as Field	No
6 First Row Contains Data	<input type="checkbox"/>
7 Start Data Import on Line	4

Preview (first 100 records)

Refresh

Select “Run”.

The Results window will display the field headings and the data.

New Workflow1.yxmd x

MF8916.xlsx  
Table= 'General Journals'


Results - Input Data (6) - Output

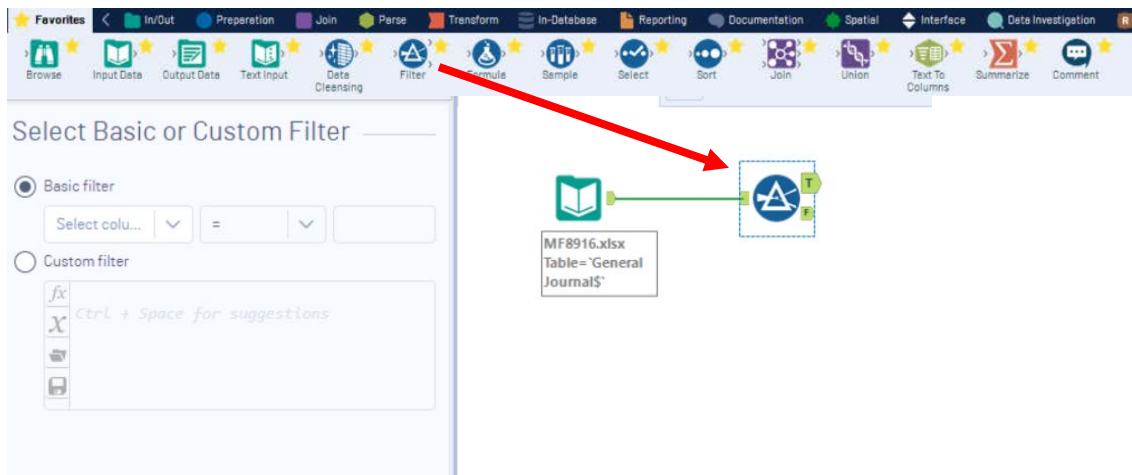
15 of 15 Fields | Cell Viewer | 203 records displayed

Record #	Transaction	Date	Account	Name	Description	Debit	Credit	Total Balance	F9	F10	F11
1	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
2	1	2018-06-01	1110	Cash	Investment from Mark Friedman	28000	[Null]	28000	0	[Null]	[Null]
3	1	2018-06-01	3100	Capital Stock	Investment from Mark Friedman	[Null]	28000	-28000	0	[Null]	[Null]
4	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	0	0	[Null]	[Null]
5	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	0	0	[Null]	[Null]
6	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
7	2	2018-06-01	1211	Office Equip.	Hudson equipment Invoice BC3887	4000	[Null]	4000	0	[Null]	[Null]
8	2	2018-06-01	2101	Accounts Payable	Hudson equipment Invoice BC3887	[Null]	4000	-4000	0	[Null]	[Null]
9	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	n	n	[Null]	[Null]

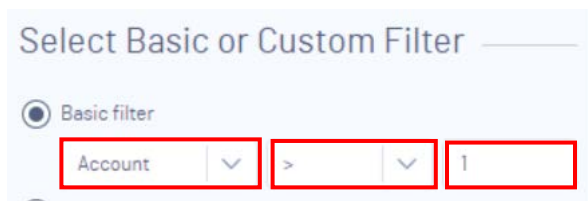
**Tool 2: Filter Tool – Exclude all rows that do not contain data**

There are several rows that do not contain an account number. We can modify the working dataset so that it includes only those rows that contain account numbers greater than one. Note that we are not deleting anything from the source data file. The working dataset will be split into two subsets. The first subset, “True”, will include all rows with account numbers greater than one. The second subset, “False”, will contain all rows with account numbers less than one.

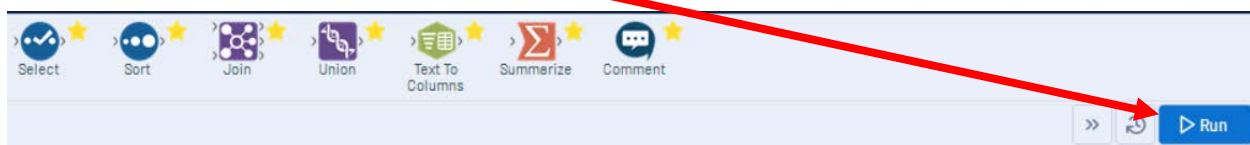
Drag the “**Filter Tool**”  from the Tools Palette to the right of the “**Input Data Tool**” on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.



With the “**Filter Tool**” selected, the “Basic” filter in the Configuration area can be modified to filter the field “Account” for those accounts greater than “1’.



To apply the latest change, select “Run”.



We can view three different datasets in the Results window.

The records that meet the filtered conditions, "Account > 1", are displayed as T (True).

Results - Filter(8) - Out - True

15 of 15 Fields | Cell Viewer | 16 records displayed

Record #	Transaction	Date	Account	Name	Description	Debit	Credit	Total Balance	F9	F10	F11
1	1	2018-06-01	1110	Cash	Investment from Mark Friedman	28000	[Null]	28000	0	[Null]	[Null]
2	1	2018-06-01	3100	Capital Stock	Investment from Mark Friedman	[Null]	28000	-28000	0	[Null]	[Null]
3	2	2018-06-01	1211	Office Equip.	Hudson equipment Invoice BC3887	4000	[Null]	4000	0	[Null]	[Null]
4	2	2018-06-01	2101	Accounts Payable	Hudson equipment Invoice BC3887	[Null]	4000	-4000	0	[Null]	[Null]
5	3	2018-06-01	1311	Computer Equip.	Hailey Computers 87245, ck6001	7000	[Null]	7000	0	[Null]	[Null]
6	3	2018-06-01	1110	Cash	Hailey Computers 87245, ck6001	[Null]	7000	-7000	0	[Null]	[Null]
7	4	2018-06-02	5040	Repairs & Maint. Expense	Avery Repairs, Invoice 25478	725	[Null]	725	0	[Null]	[Null]
8	4	2018-06-02	2101	Accounts Payable	Avery Repairs, Invoice 25478	[Null]	725	-725	0	[Null]	[Null]
9	5	2018-06-04	1211	Office Equip.	Scanner, Inkjet Supplies, 54, 541, 256002	125	[Null]	125	0	[Null]	[Null]

The records that do not meet the filtered conditions are displayed as F (False).

Results - Filter(8) - Out - False

15 of 15 Fields | Cell Viewer | 187 records displayed

Record #	Transaction	Date	Account	Name	Description	Debit	Credit	Total Balance	F9	F10	F11	F12	F13	F14	F15
1	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
2	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	0	0	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
3	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	0	0	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
4	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
5	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	0	0	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
6	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	0	0	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
7	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
8	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	0	0	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
9	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	0	0	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]

The data being filtered can also be displayed.

Results - Filter(8) - Input

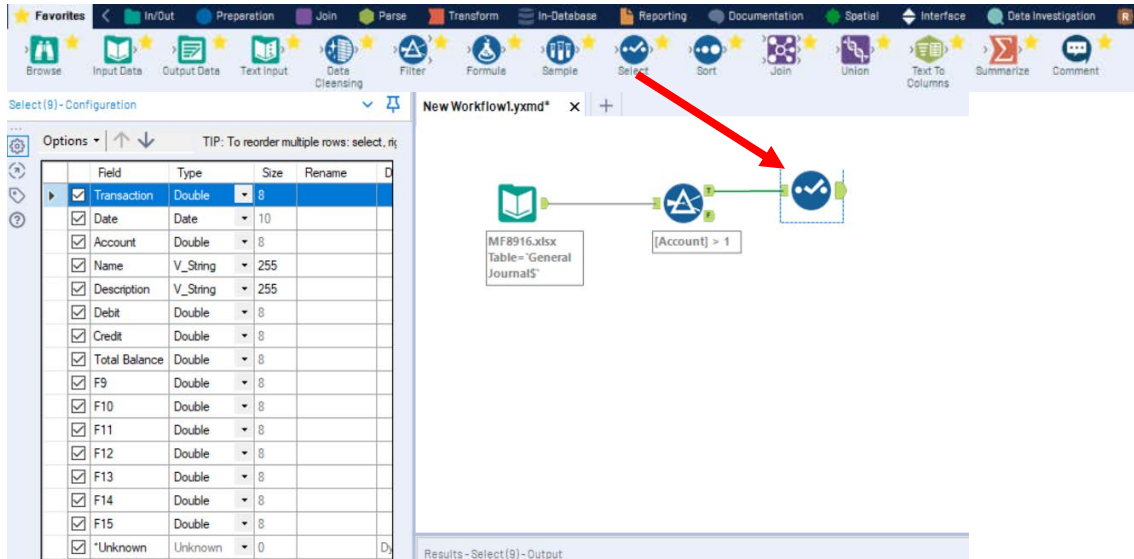
15 of 15 Fields | Cell Viewer | 203 records displayed

Record #	Transaction	Date	Account	Name	Description	Debit	Credit	Total Balance	F9	F10	F11
1	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
2	1	2018-06-01	1110	Cash	Investment from Mark Friedman	28000	[Null]	28000	0	[Null]	[Null]
3	1	2018-06-01	3100	Capital Stock	Investment from Mark Friedman	[Null]	28000	-28000	0	[Null]	[Null]
4	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	0	0	[Null]	[Null]
5	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	0	0	[Null]	[Null]
6	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
7	2	2018-06-01	1211	Office Equip.	Hudson equipment Invoice BC3887	4000	[Null]	4000	0	[Null]	[Null]
8	2	2018-06-01	2101	Accounts Payable	Hudson equipment Invoice BC3887	[Null]	4000	-4000	0	[Null]	[Null]
9	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	0	0	[Null]	[Null]

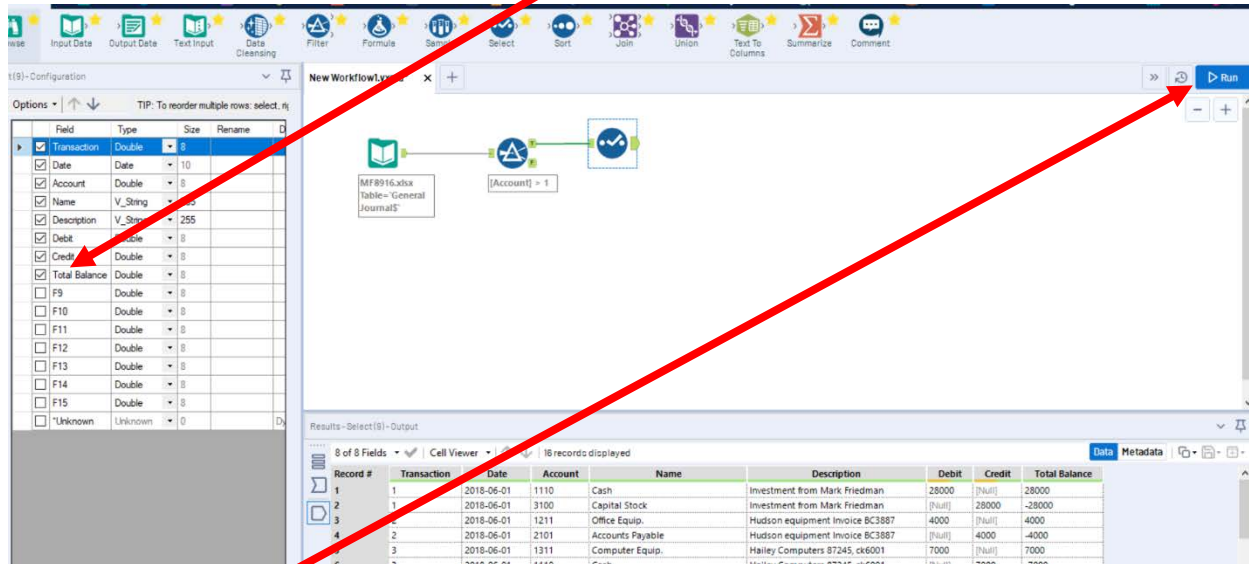


**Tool 3: Select Tool – Remove fields that contain no data, from F8 to F15**

Drag the **“Select Tool”** from the Tools Palette to the True output of the **“Filter Tool”** on the Canvas. The two will be connected automatically.



Remove the extra fields by unchecking them.




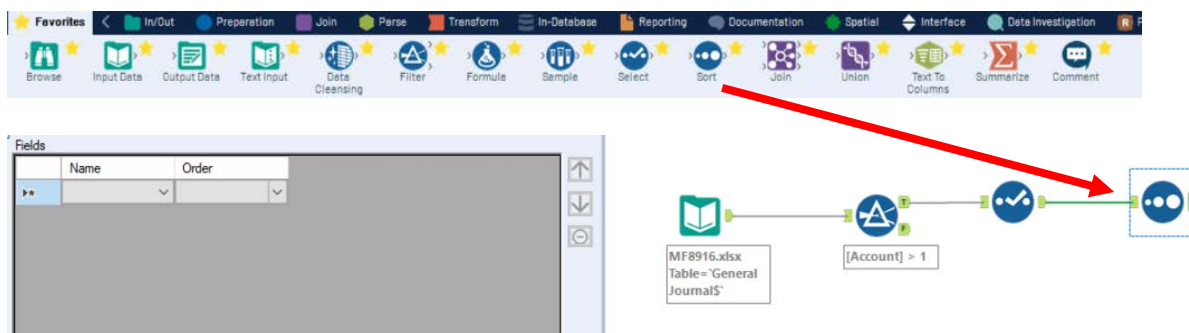
Select “Run”.

**Tool 4: Select Tool – Sort by “Account” and then “Transaction”**

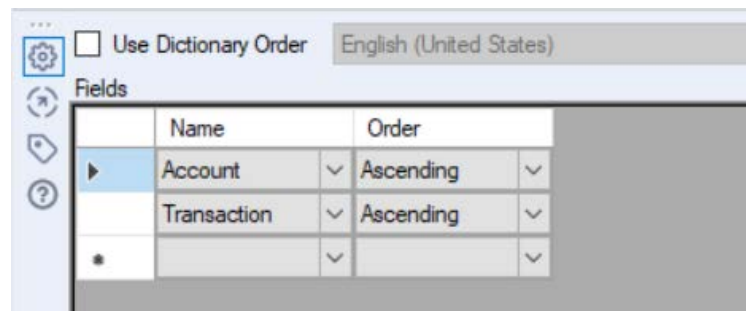
Notice that the original data from Excel had a hidden column “**Total Balance**” that contained the following formula: “Debits – Credits”.

The data is displayed as it was extracted from the source document. We want to have the data in “Account” order and subsequently in “Transaction” order.

Drag the “**Sort Tool**”  from the Tools Palette to the right of the “**Select Tool**” on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.



Change the sort configuration of “**Account**” and “**Transaction**” to “**Ascending**”.



Select “Run”.

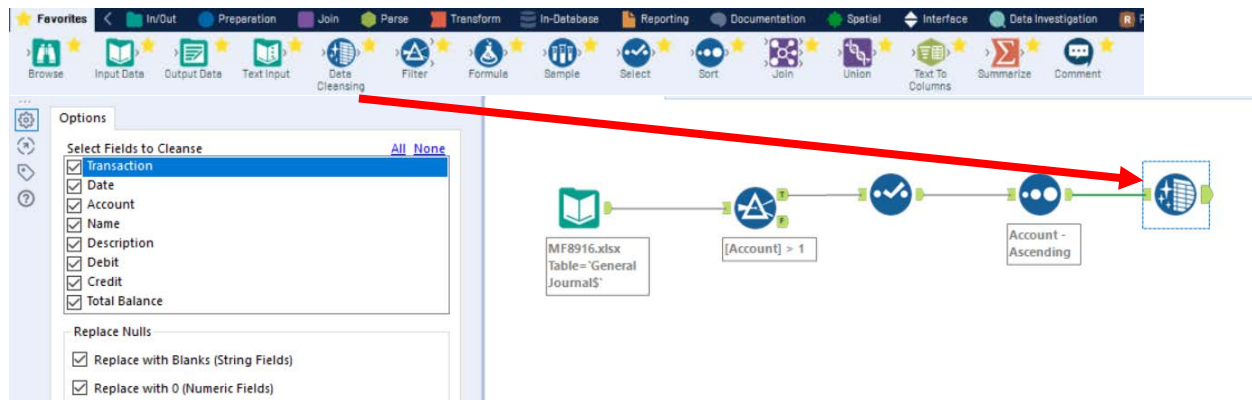
Results - Sort (11) - Output

8 of 8 Fields | Cell Viewer | 16 records displayed

Record #	Transaction	Date	Account	Name	Description	Debit	Credit	Total Balance
1	1	2018-06-01	1110	Cash	Investment from Mark Friedman	28000	[Null]	28000
2	3	2018-06-01	1110	Cash	Hailey Computers 87245, ck6001	[Null]	7000	-7000
3	5	2018-06-04	1110	Cash	Scanner, Jake Supplies, 54-541 ck6002	[Null]	125	-125
4	7	2018-06-08	1110	Cash	Pd A/p ck6003	[Null]	640	-640
5	8	2018-06-14	1110	Cash	Services performed by Lucas Pictures	11000	[Null]	11000
6	2	2018-06-01	1211	Office Equip.	Hudson equipment Invoice BC3887	4000	[Null]	4000
7	5	2018-06-04	1211	Office Equip.	Scanner, Jake Supplies, 54-541 ck6002	125	[Null]	125
8	3	2018-06-01	1311	Computer Equip.	Hailey Computers 87245, ck6001	7000	[Null]	7000
9	2	2018-06-01	2101	Accounts Payable	Hudson equipment Invoice BC3887	[Null]	4000	-4000

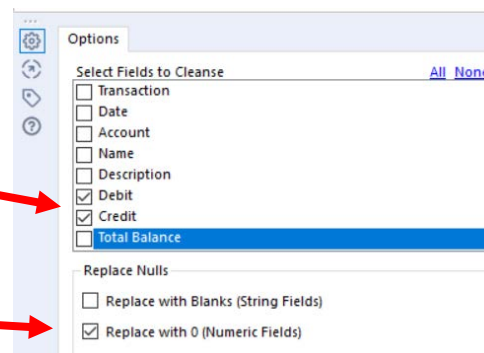
**Tool 5: Data Cleansing Tool – Replace “Null” with “0”**

There are cells in the “Debit” and “Credit” columns that are coded as “Null”.  
 Drag the “**Data Cleansing Tool**” from the Tools Palette to the right of the “**Sort Tool**” on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.



Change the configuration, leaving only “Debit” and “Credit” checked.

Select “Replace with 0” on the “Replace Nulls” option.



Select “Run”.

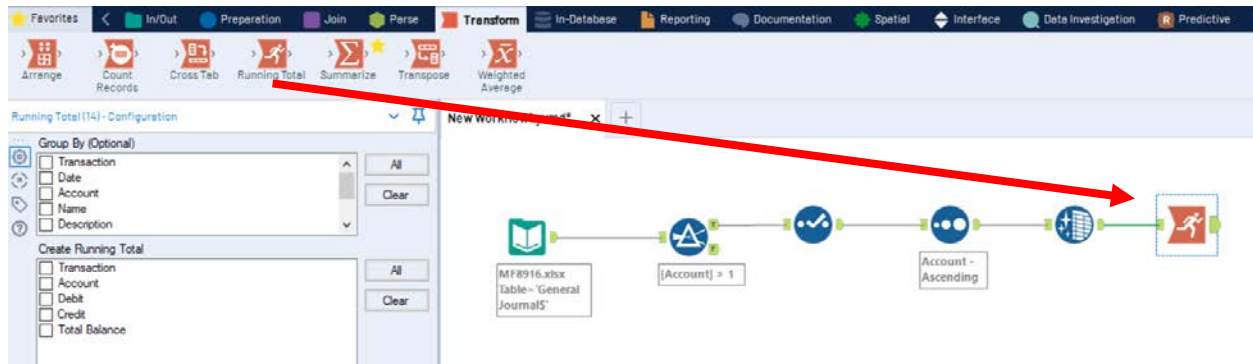
Record #	Transaction	Date	Account	Name	Description	Debit	Credit	Total Balance
1	1	2018-06-01	1110	Cash	Investment from Mark Friedman	28000	0	28000
2	3	2018-06-01	1110	Cash	Hailey Computers 87245, ck6001	0	7000	-7000
3	5	2018-06-04	1110	Cash	Scanner, Jake Supplies, 54-541 ck6002	0	125	-125
4	7	2018-06-08	1110	Cash	Pd A/p ck6003	0	640	-640
5	8	2018-06-14	1110	Cash	Services performed by Lucas Pictures	11000	0	11000
6	2	2018-06-01	1211	Office Equip.	Hudson equipment Invoice BC3887	4000	0	4000
7	5	2018-06-04	1211	Office Equip.	Scanner, Jake Supplies, 54-541 ck6002	125	0	125
8	3	2018-06-01	1311	Computer Equip.	Hailey Computers 87245, ck6001	7000	0	7000
9	2	2018-06-01	2101	Accounts Payable	Hudson equipment Invoice BC3887	0	4000	4000

**Tool 6: Running Total Tool – Create a “Running Total”**

The General Ledger has a running balance within each account.

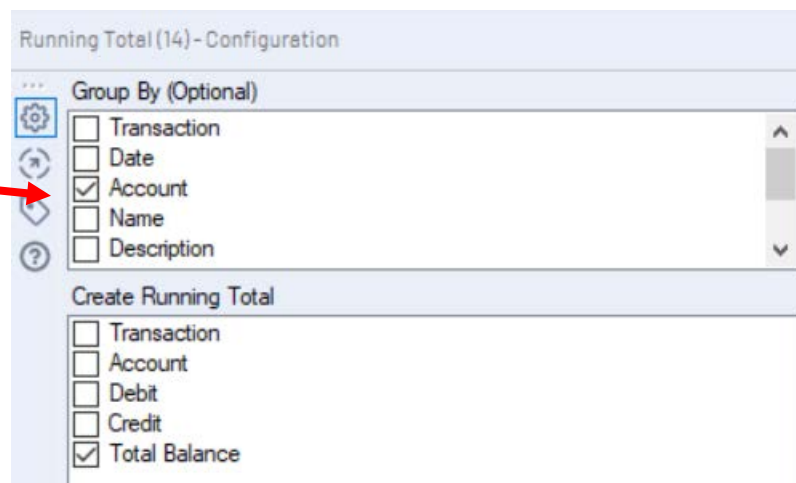
Drag the **“Running Total Tool”** from the Transform tab to the right of the **“Data Cleaning Tool”** on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.

Add a **“Running Total Tool”** from the Transform tab.



Change the configuration of “Group By” to “Account”.

Select “Total Balance” on “Create Running Total”.



Select “Run”.

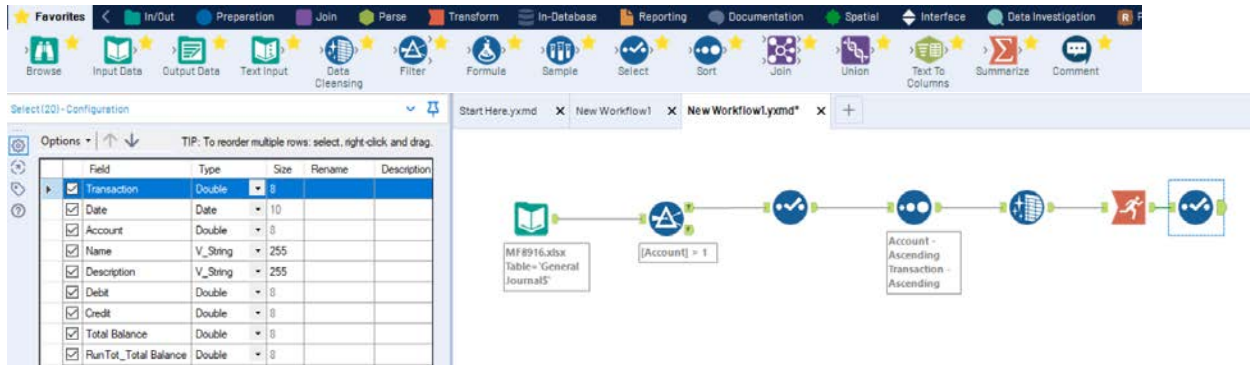
9 of 9 Fields | Cell Viewer | 16 records displayed

Record #	Transaction	Date	Account	Name	Description	Debit	Credit	Total Balance	RunTot_Total Balance
1	1	2018-06-01	1110	Cash	Investment from Mark Friedman	28000	0	28000	28000
2	3	2018-06-01	1110	Cash	Hailey Computers 87245, ck6001	0	7000	-7000	21000
3	5	2018-06-04	1110	Cash	Scanner, Jake Supplies, 54-541 ck6002	0	125	-125	20875
4	7	2018-06-08	1110	Cash	Pd A/p ck6003	0	640	-640	20235
5	8	2018-06-14	1110	Cash	Services performed by Lucas Pictures	11000	0	11000	31235
6	2	2018-06-01	1211	Office Equip.	Hudson equipment Invoice BC3887	4000	0	4000	4000
7	5	2018-06-04	1211	Office Equip.	Scanner, Jake Supplies, 54-541 ck6002	125	0	125	4125
8	3	2018-06-01	1311	Computer Equip.	Hailey Computers 87245, ck6001	7000	0	7000	7000
9	2	2018-06-01	2101	Accounts Payable	Hudson equipment Invoice BC3887	0	4000	-4000	4000



**Tool 7: Select Tool Display – “Account” and “Name” in front of “Transaction”**

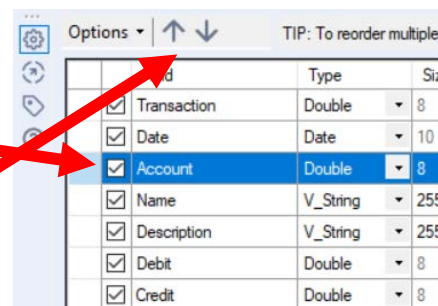
Drag another “**Select Tool**” to the right of the “**Running Total Tool**” on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.



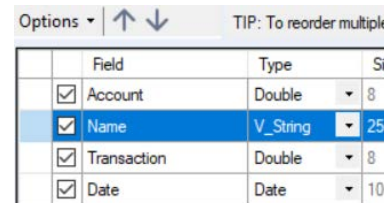
Rearrange the fields in the Configuration area.

Select the field “Account”.

Click on the up arrow twice to move “Account” to the first position.



Move the field “Name” to the second position.



Select “Run”.

Record #	Account	Name	Transaction	Date	Description	Debit	Credit	Total Balance	RunTot_Total Balance
1	1110	Cash	1	2018-06-01	Investment from Mark Friedman	28000	0	28000	28000
2	1110	Cash	3	2018-06-01	Hailey Computers 87245, ck6001	0	7000	-7000	21000
3	1110	Cash	5	2018-06-04	Scanner, Jake Supplies, 54-541 ck6002	0	125	-125	20875
4	1110	Cash	7	2018-06-08	Pd A/p ck6003	0	640	-640	20235
5	1110	Cash	8	2018-06-14	Services performed by Lucas Pictures	11000	0	11000	31235
6	1211	Office Equip.	2	2018-06-01	Hudson equipment Invoice BC3887	4000	0	4000	4000
7	1211	Office Equip.	5	2018-06-04	Scanner, Jake Supplies, 54-541 ck6002	125	0	125	4125
8	1311	Computer Equip.	3	2018-06-01	Hailey Computers 87245, ck6001	7000	0	7000	7000
9	2101	Accounts Payable	2	2018-06-01	Hudson equipment Invoice BC3887	0	4000	4000	4000

Remove the field “Total Balance” from the output by unchecking it.



Options ▾ | ↑ ↓ | TIP: To reorder multiple fields, click and drag the field name.

	Field	Type	Size
<input checked="" type="checkbox"/>	Account	Double	8
<input checked="" type="checkbox"/>	Name	V_String	255
<input checked="" type="checkbox"/>	Transaction	Double	8
<input checked="" type="checkbox"/>	Date	Date	10
<input checked="" type="checkbox"/>	Description	V_String	255
<input checked="" type="checkbox"/>	Debit	Double	8
<input checked="" type="checkbox"/>	Credit	Double	8
<input type="checkbox"/>	Total Balance	Double	8
<input checked="" type="checkbox"/>	RunTot_Total Balance	Double	8
<input checked="" type="checkbox"/>	*Unknown	Unknown	0

Select “Run”.

File | Edit | View | Cell Viewer ▾ | ↑ ↓ | 16 records displayed | Data | Metadata | [Icons]

Record #	Account	Name	Transaction	Date	Description	Debit	Credit	RunTot_Total Balance
1	1110	Cash	1	2018-06-01	Investment from Mark Friedman	28000	0	28000
2	1110	Cash	3	2018-06-01	Hailey Computers 87245, ck6001	0	7000	21000
3	1110	Cash	5	2018-06-04	Scanner, Jake Supplies, 54-541 ck6002	0	125	20875
4	1110	Cash	7	2018-06-08	Pd A/p ck6003	0	640	20235
5	1110	Cash	8	2018-06-14	Services performed by Lucas Pictures	11000	0	31235
6	1211	Office Equip.	2	2018-06-01	Hudson equipment Invoice BC3887	4000	0	4000
7	1211	Office Equip.	5	2018-06-04	Scanner, Jake Supplies, 54-541 ck6002	125	0	4125
8	1311	Computer Equip.	3	2018-06-01	Hailey Computers 87245, ck6001	7000	0	7000
9	1101	Accounts Payable	2	2018-06-01	Hudson equipment Invoice BC3887	0	4000	4000

Change the name of the field “Run Tot\_Total Balance” to “Running Balance”.

Options | ↑ ↓ TIP: To reorder multiple rows: select, right-click and drag.

	Field	Type	Size	Rename	Describe
<input checked="" type="checkbox"/>	Account	Double	8		
<input checked="" type="checkbox"/>	Name	V_String	255		
<input checked="" type="checkbox"/>	Transaction	Double	8		
<input checked="" type="checkbox"/>	Date	Date	10		
<input checked="" type="checkbox"/>	Description	V_String	255		
<input checked="" type="checkbox"/>	Debit	Double	8		
<input checked="" type="checkbox"/>	Credit	Double	8		
<input type="checkbox"/>	Total Balance	Double	8		
<input checked="" type="checkbox"/>	RunTot_Total Balance	Double	8	Running Balance	
<input checked="" type="checkbox"/>	*Unknown	Unknown	0		Dynamic

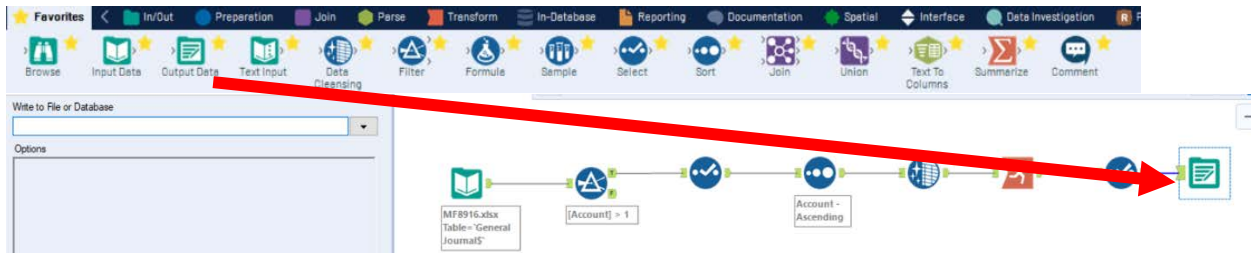
Select “Run”.

8 of 8 Fields | Cell Viewer | 16 records displayed

Record #	Account	Name	Transaction	Date	Description	Debit	Credit	Running Balance
1	1110	Cash	1	2018-06-01	Investment from Mark Friedman	28000	0	28000
2	1110	Cash	3	2018-06-01	Hailey Computers 87245, ck6001	0	7000	21000
3	1110	Cash	5	2018-06-04	Scanner, Jake Supplies, 54-541 ck6002	0	125	20875
4	1110	Cash	7	2018-06-08	Pd A/p ck6003	0	640	20235
5	1110	Cash	8	2018-06-14	Services performed by Lucas Pictures	11000	0	31235
6	1211	Office Equip.	2	2018-06-01	Hudson equipment Invoice BC3887	4000	0	4000
7	1211	Office Equip.	5	2018-06-04	Scanner, Jake Supplies, 54-541 ck6002	125	0	4125
8	1311	Computer Equip.	3	2018-06-01	Hailey Computers 87245, ck6001	7000	0	7000
9	2101	Accounts Payable	2	2018-06-01	Hudson equipment Invoice BC3887	0	4000	4000

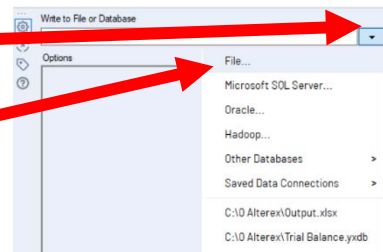
**Tool 8: Select Tool Output Data Tool:** We now want to export the cleaned and assembled General Ledger to Excel.

Drag an “**Output Data Tool**” to the right of the “**Select Tool**” on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.



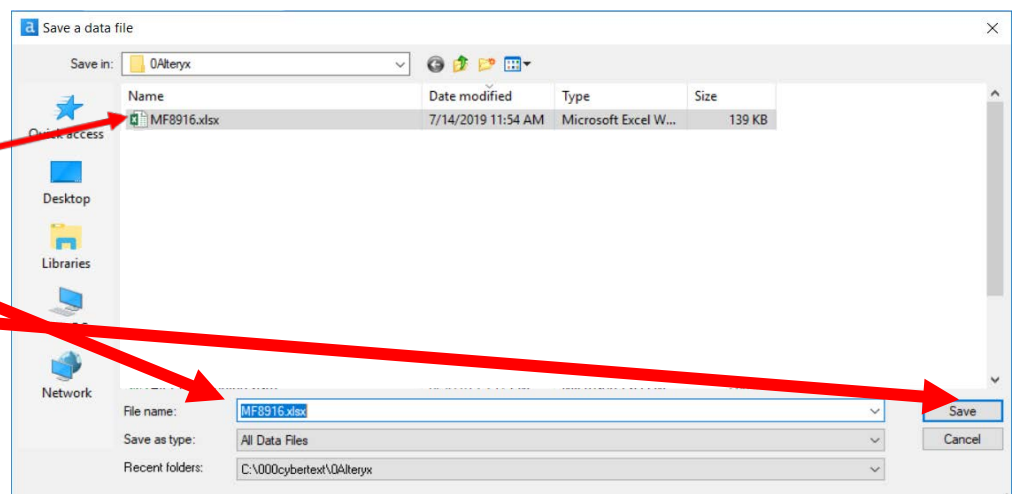
In the output Configuration area, select the drop-down arrow.

Select “File”.



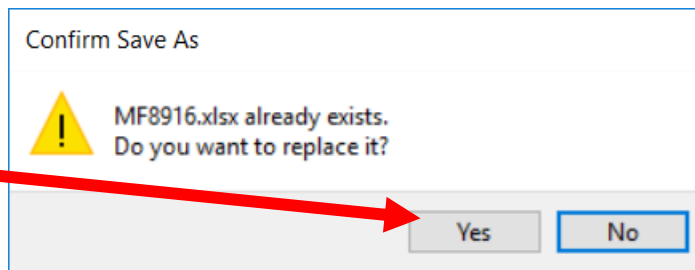
Select the required file name.

Select “Save”.



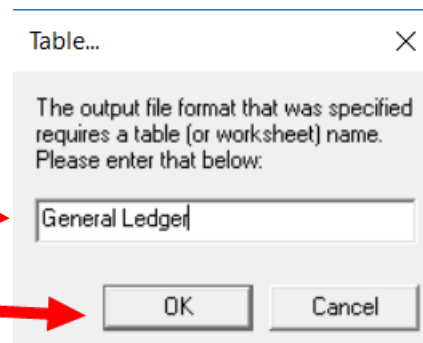


Click on "Yes" to confirm  
"Save".



Enter the "Sheet Name".

Select "OK".



Select "Run".

Open the file in Excel.

	A	B	C	D	E	F	G	H	I
1	Account	Name	Transaction	Date	Description	Debit	Credit	Running Balance	
2	1110	Cash	1	6/1/2018	Investment	28000	0	28000	
3	1110	Cash	3	6/1/2018	Hailey Computers	0	7000	21000	
4	1110	Cash	5	6/4/2018	Scanner, Jake Supplies	0	125	20875	
5	1110	Cash	7	6/8/2018	Pd A/p ck6003	0	640	20235	
6	1110	Cash	8	6/14/2018	Services performed by Lucas Pictures	11000	0	31235	
7	1211	Office Equip.	2	6/1/2018	Hudson equipment Invoice BC3887	4000	0	4000	
8	1211	Office Equip.	5	6/4/2018	Scanner, Jake Supplies	125	0	4125	
9	1311	Computer Equip.	3	6/1/2018	Hailey Computers	7000	0	7000	
10	2101	Accounts Payable	2	6/1/2018	Hudson equipment Invoice BC3887	0	4000	-4000	
11	2101	Accounts Payable	4	6/2/2018	Avery Repairs, Invoice 25478	0	725	-4725	
12	2101	Accounts Payable	6	6/8/2018	Zac Advertising, 23547	0	3380	-8105	
13	2101	Accounts Payable	7	6/8/2018	Pd A/p ck6003	640	0	-7465	
14	3100	Capital Stock	1	6/1/2018	Investment from Mark Friedman	0	28000	-28000	
15	4100	Computer & Consulting Revenue	8	6/14/2018	Services performed by Lucas Pictures	0	11000	-11000	
16	5030	Advertising Expense	6	6/8/2018	Zac Advertising, 23547	3380	0	3380	
17	5040	Repairs & Maintenance Expense	4	6/2/2018	Avery Repairs, Invoice 25478	725	0	725	
18									

Change the columns' widths and formats.

	A	B	C	D	E	F	G	H
1	Account	Name	Transaction	Date	Description	Debit	Credit	Running Balance
2	1110	Cash	1	6/1/2018	Investment from Mark Friedman	\$ 28,000.00	\$ -	\$ 28,000.00
3	1110	Cash	3	6/1/2018	Hailey Computers 87245, ck6001	\$ -	\$ 7,000.00	\$ 21,000.00
4	1110	Cash	5	6/4/2018	Scanner, Jake Supplies, 54-541 ck6002	\$ -	\$ 125.00	\$ 20,875.00
5	1110	Cash	7	6/8/2018	Pd A/p ck6003	\$ -	\$ 640.00	\$ 20,235.00
6	1110	Cash	8	6/14/2018	Services performed by Lucas Pictures	\$ 11,000.00	\$ -	\$ 31,235.00
7	1211	Office Equip.	2	6/1/2018	Hudson equipment Invoice BC3887	\$ 4,000.00	\$ -	\$ 4,000.00
8	1211	Office Equip.	5	6/4/2018	Scanner, Jake Supplies, 54-541 ck6002	\$ 125.00	\$ -	\$ 4,125.00
9	1311	Computer Equip.	3	6/1/2018	Hailey Computers 87245, ck6001	\$ 7,000.00	\$ -	\$ 7,000.00
10	2101	Accounts Payable	2	6/1/2018	Hudson equipment Invoice BC3887	\$ -	\$ 4,000.00	\$ (4,000.00)
11	2101	Accounts Payable	4	6/2/2018	Avery Repairs, Invoice 25478	\$ -	\$ 725.00	\$ (4,725.00)
12	2101	Accounts Payable	6	6/8/2018	Zac Advertising, 23547	\$ -	\$ 3,380.00	\$ (8,105.00)
13	2101	Accounts Payable	7	6/8/2018	Pd A/p ck6003	\$ 640.00	\$ -	\$ (7,465.00)
14	3100	Capital Stock	1	6/1/2018	Investment from Mark Friedman	\$ -	\$ 28,000.00	\$ (28,000.00)
15	4100	Computer & Consulting Revenue	8	6/14/2018	Services performed by Lucas Pictures	\$ -	\$ 11,000.00	\$ (11,000.00)
16	5030	Advertising Expense	6	6/8/2018	Zac Advertising, 23547	\$ 3,380.00	\$ -	\$ 3,380.00
17	5040	Repairs & Maint. Expense	4	6/2/2018	Avery Repairs, Invoice 25478	\$ 725.00	\$ -	\$ 725.00

And, the General Ledger has been created successfully.

“Save” and “Close” the Excel file.

Return to Alteryx and select “Run” for the second time.

But, there is an error! The sheet already exists.

The screenshot shows the Alteryx Designer interface. The top pane displays a workflow with the following steps: Input Data (6), Filter (8), Join (Account - Ascending), Join, Join, Join, and Output Data (1). The bottom pane, titled 'Results - Workflow - Messages', shows the following messages:

- Designer x64 Started running C:\0 Altere... New Workflow1.yxmd at 04/01/2019 09:47:38
- Input Data (6) 203 records were read from "C:\0 Altere\MF8916.xlsx" ("General Journals")
- Filter (8) 15 records were True and 1 were False
- Output Data (1) Sheet already exists
- Designer x64 Finished running New Workflow1.yxmd in 0.4 seconds with 1 error

In the output Configuration area, select "Output Options".

The screenshot shows the 'Write to File or Database' configuration window. The 'Options' section is expanded, showing the following options:

Name	Value
1 Max Records Per File	
2 File Format	Microsoft Excel (*.xlsx)
3 Output Options	Create New Sheet
4 Append Field Map	Append To Existing Sheet
5 Skip Field Names	Overwrite Sheet (Drop)
	Overwrite File (Remove)
	Create New Sheet

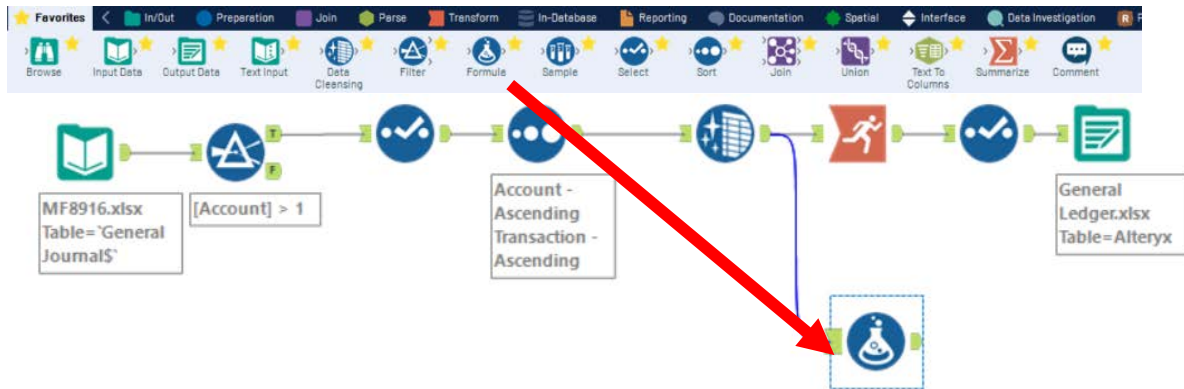
Select "Overwrite Sheet" (which drops the old sheet).

Select "Run".

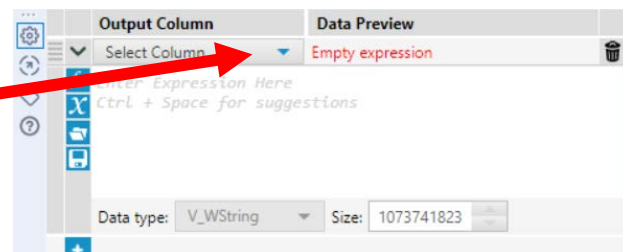
The "Unadjusted Trial Balance" will summarize the "Total Balance" by account number with the account name attached for clarity.

**Tool 9: Select Tool Formula:** We now want to combine the fields “Account” and “Name”. “Account” is a numeric field, while “Name” is a string, and we would like to have two spaces between the fields.

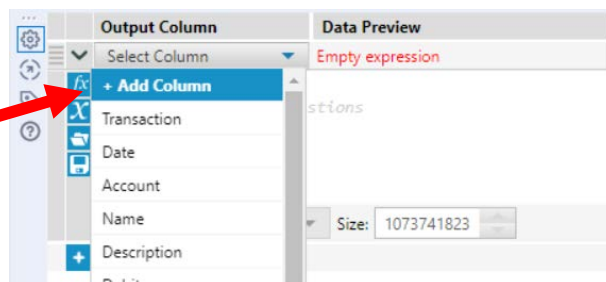
Drag a “**Formula Tool**” under the “**Running Balance Tool**” branching from the “**Cleansing Tool**” on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.



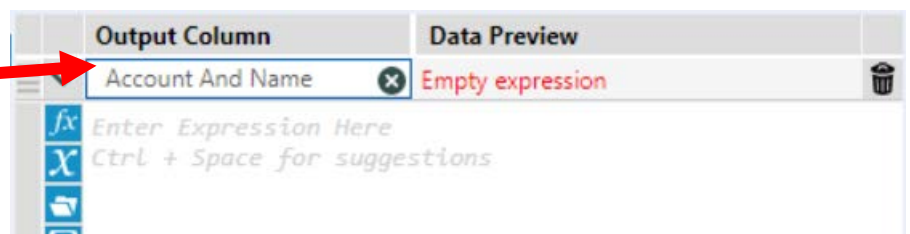
In the output Configuration area, click on the drop-down arrow of “Select Column”.



Select “Add Column”.

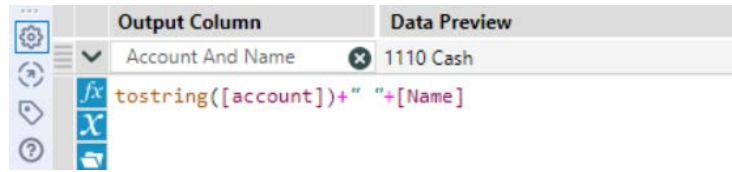


Type “Account And Name”.



Type the following formula  
`toString([account])+ " "+[Name]`

Select "Run".




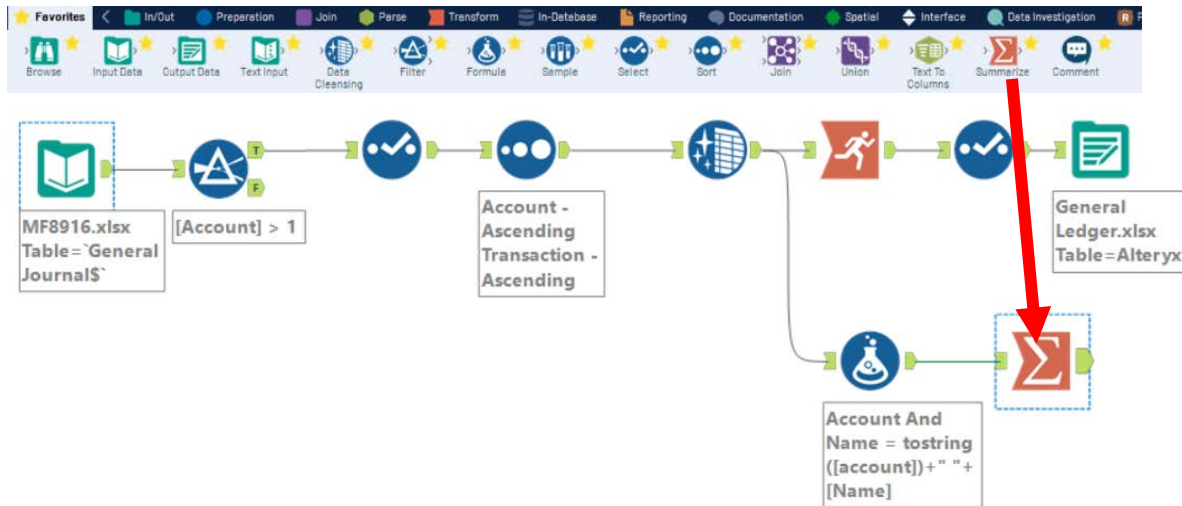
Results - Formula (19) - Output

9 of 9 Fields | Cell Viewer | 16 records displayed

Record #	Transaction	Date	Account	Name	Description	Debit	Credit	Total Balance	Account And Name
8	3	2018-06-01	1311	Computer Equip.	Hailey Computers 87245, ck6001	7000	0	7000	1311 Computer Equip.
9	2	2018-06-01	2101	Accounts Payable	Hudson equipment Invoice BC3887	0	4000	-4000	2101 Accounts Payable
10	4	2018-06-02	2101	Accounts Payable	Avery Repairs, Invoice 25478	0	725	-725	2101 Accounts Payable
11	6	2018-06-08	2101	Accounts Payable	Zac Advertising, 23547	0	3380	-3380	2101 Accounts Payable
12	7	2018-06-08	2101	Accounts Payable	Pd A/p ck6003	640	0	640	2101 Accounts Payable
13	1	2018-06-01	3100	Capital Stock	Investment from Mark Friedman	0	28000	-28000	3100 Capital Stock
14	8	2018-06-14	4100	Computer & Consulting Revenue	Services performed by Lucus Pictures	0	11000	-11000	4100 Computer & Consulting Re
15	6	2018-06-08	5030	Advertising Expense	Zac Advertising, 23547	3380	0	3380	5030 Advertising Expense
16	4	2018-06-02	5040	Repairs & Maint Expense	Avery Repairs Invoice 25478	725	0	725	5040 Repairs & Maint Expense

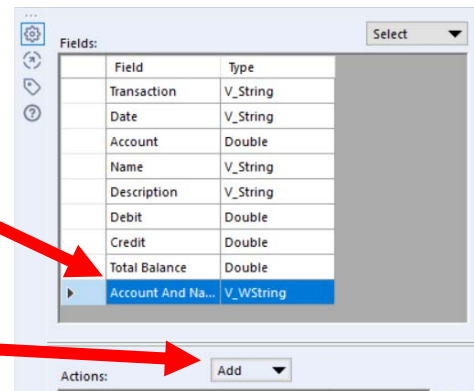
**Tool 10: Select Tool Summary:** We now want to create an “Unadjusted Trial Balance” by calculating the account balances.

Drag a “**Summary Tool**”  to the right of the “**Cleansing tool**” on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.

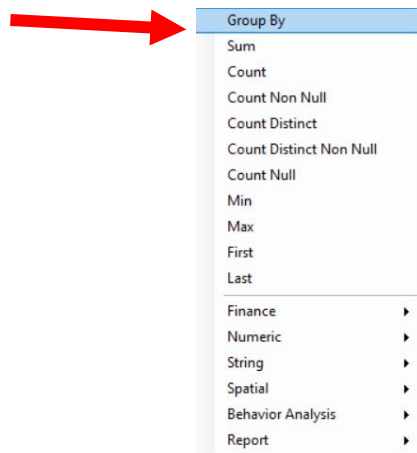


In the output Configuration area, select “Account And Name”.

Click on the drop-down arrow on “Actions” and select “Add”.



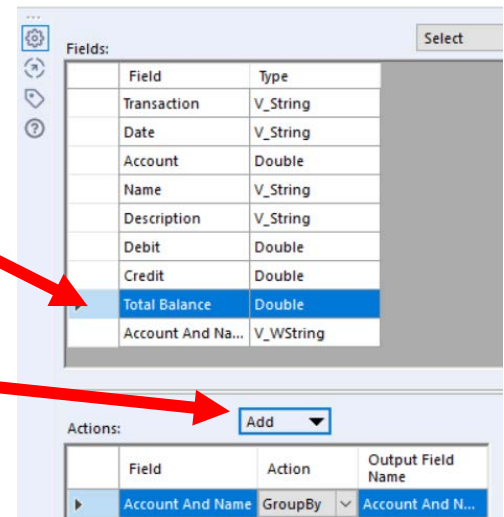
Select “Group By”.



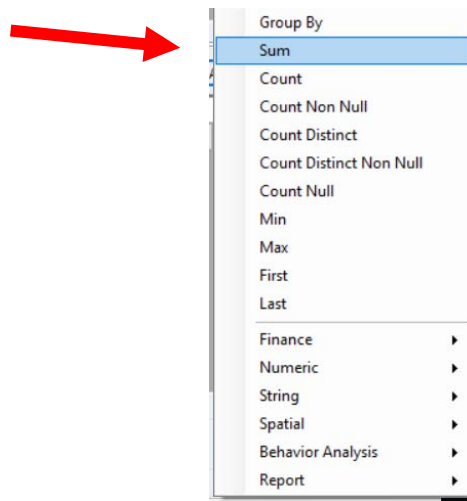


Select "Total Balance".

Click on the drop-down arrow on "Actions" and select "Add".



Select "Sum".



Select "Run".

Select the output of the "Summary Tool".




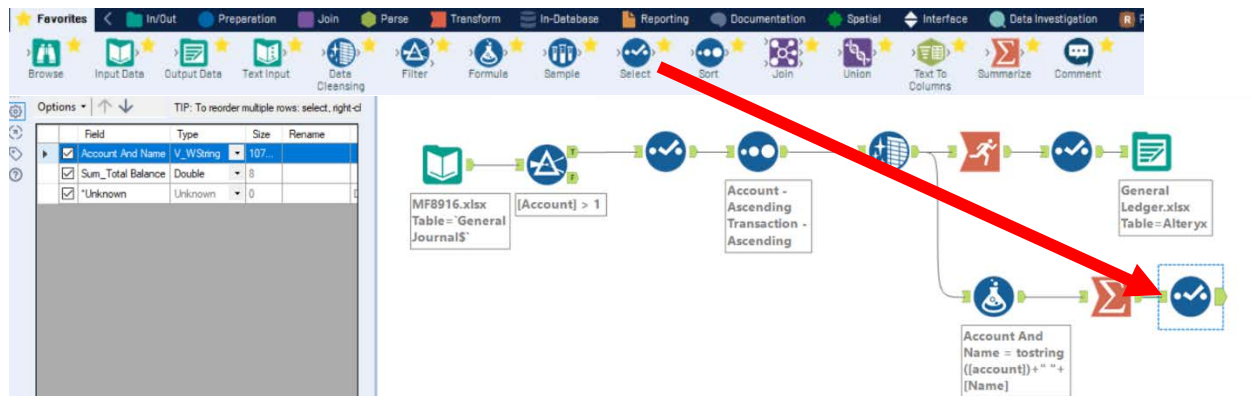
And, the "Unadjusted Trial Balance" is created.

2 of 2 Fields | Cell Viewer | 8 records displayed

Record #	Account And Name	Sum_Total Balance
1	1110 Cash	31235
2	1211 Office Equip.	4125
3	1311 Computer Equip.	7000
4	2101 Accounts Payable	-7465
5	3100 Capital Stock	-28000
6	4100 Computer & Consulting Revenue	-11000
7	5030 Advertising Expense	3380
8	5040 Repairs & Maint. Expense	725

**Tool 11: Select Tool – Rename a field**

Drag another “**Select Tool**”  to the right of the “**Summary Tool**” on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.



Rename the “Sum\_Total Balance” in the Configuration area to “Balance”.

Select(17) - Configuration

Options | TIP: To reorder multiple rows: select, right-click and drag.

	Field	Type	Size	Rename	Description
<input checked="" type="checkbox"/>	Account	Double	8		
<input checked="" type="checkbox"/>	Sum_Total Balance	Double	8	Balance	
<input checked="" type="checkbox"/>	*Unknown	Unknown	0		Dynamic or ...

Select “Run”.

Select the output of the “**Select Tool**”.




And, the Unadjusted Trial Balance is created.

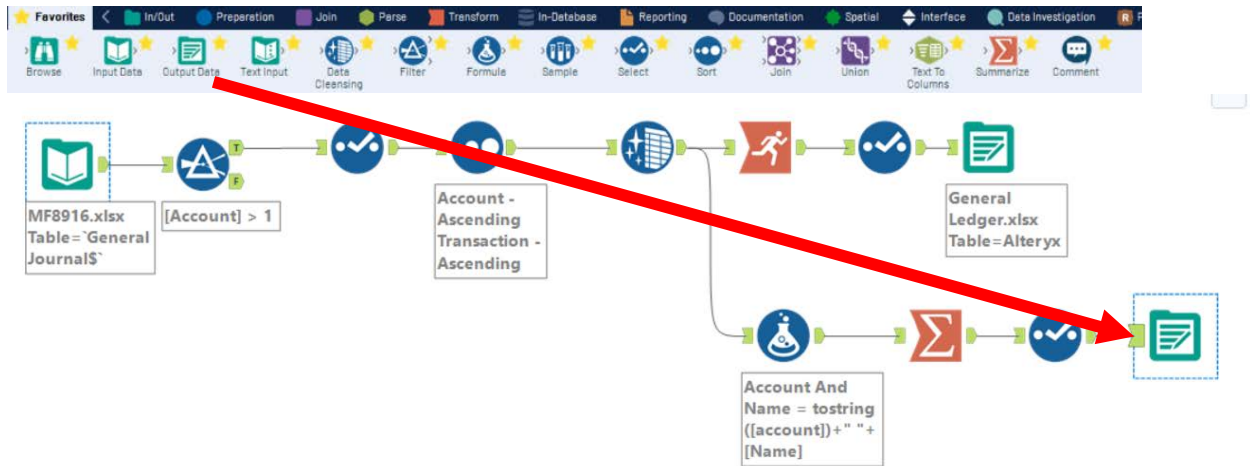
2 of 2 Fields | Cell Viewer | 8 records displayed

Record #	Account And Name	Balance
1	1110 Cash	31235
2	1211 Office Equip.	4125
3	1311 Computer Equip.	7000
4	2101 Accounts Payable	-7465
5	3100 Capital Stock	-28000
6	4100 Computer & Consulting Revenue	-11000
7	5030 Advertising Expense	3380
8	5040 Repairs & Maint. Expense	725



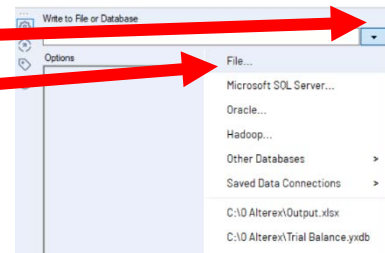
**Tool 12: Select Output Data Tool:** We now want to export the “Unadjusted Trial Balance” to Excel.

Drag an “**Output Data Tool**”  to the right of the “**Select Tool**” on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.



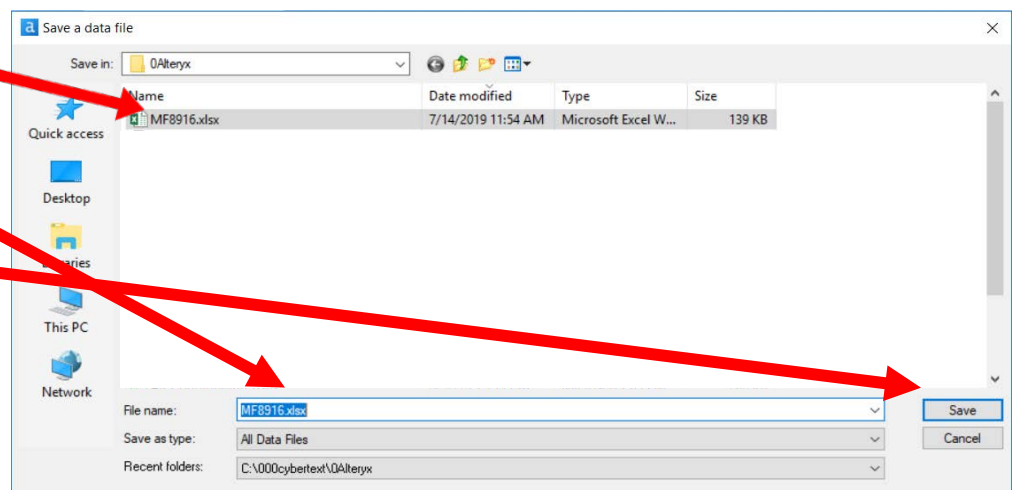
In the output Configuration area, select the drop-down arrow.

Select “File”.

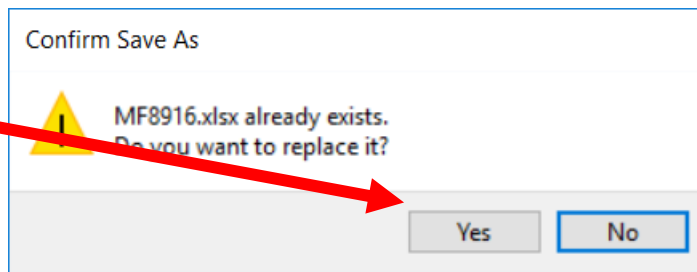


Select the required file name.

Select “Save”.

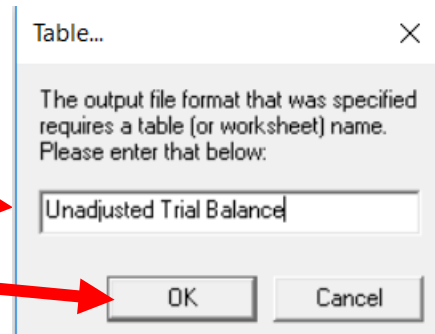


Click on "Yes" to confirm  
"Save".



Enter the "Sheet Name".

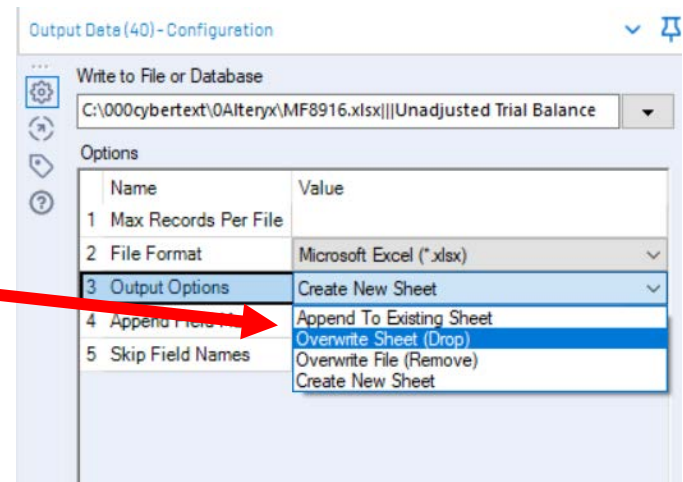
Select "OK".



Select "Run".

In the output Configuration area,  
Select “Output Options”.

Select “Overwrite Sheet” (which drops the  
old Sheet).

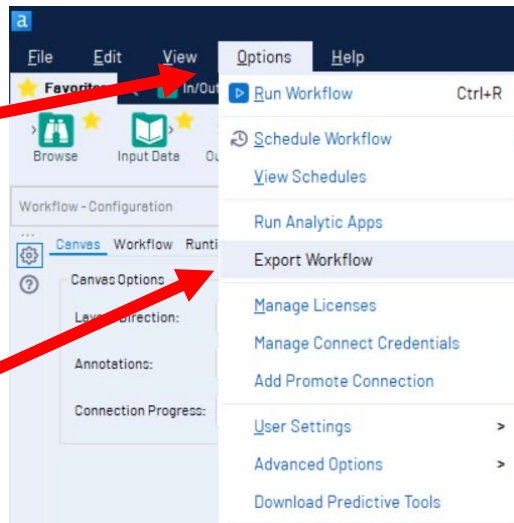


Select “Run”.

	A	B	C	D	E	F	G
1	Account And Name	Balance					
2	1110 Cash	31235					
3	1211 Office Equip.	4125					
4	1311 Computer Equip.	7000					
5	2101 Accounts Payable	-7465					
6	3100 Capital Stock	-28000					
7	4100 Computer & Consulting Revenue	-11000					
8	5030 Advertising Expense	3380					
9	5040 Repairs & Maint. Expense	725					
10							
11							
12							

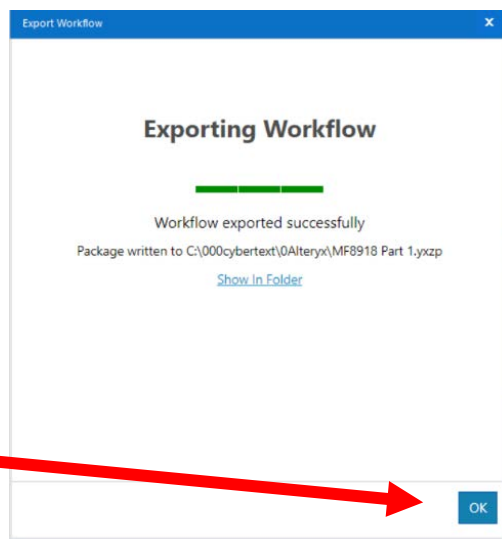
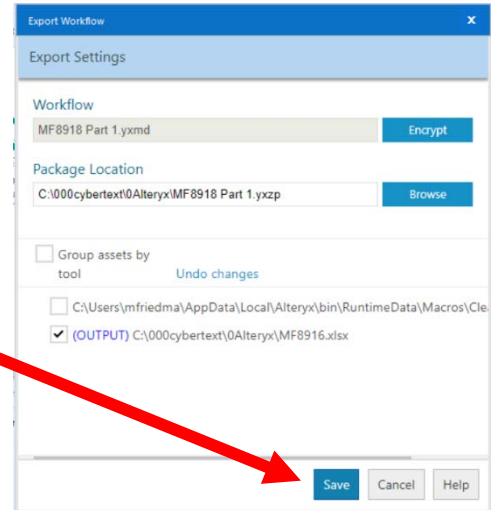
To export the workflow and the related input files so that you can send the files to someone else:

Select "Options"



Select "Export Workflow"

Select "Save"



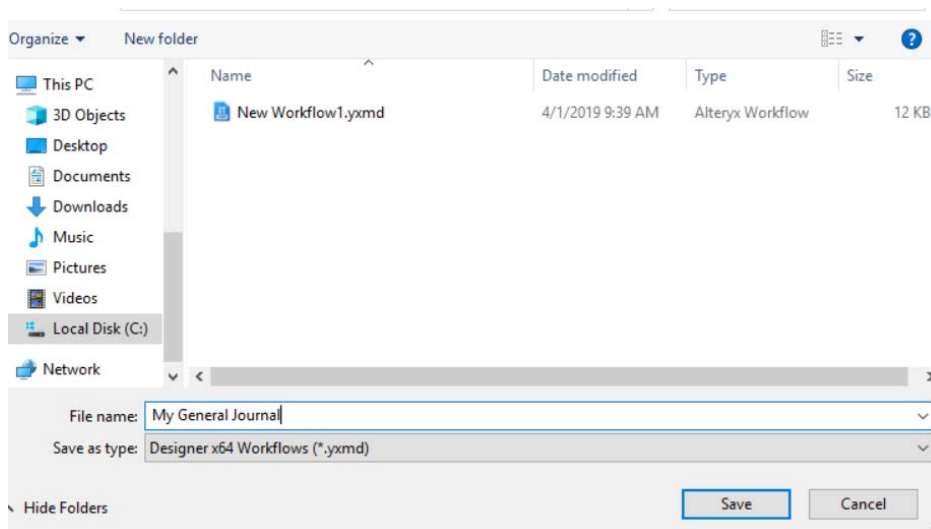
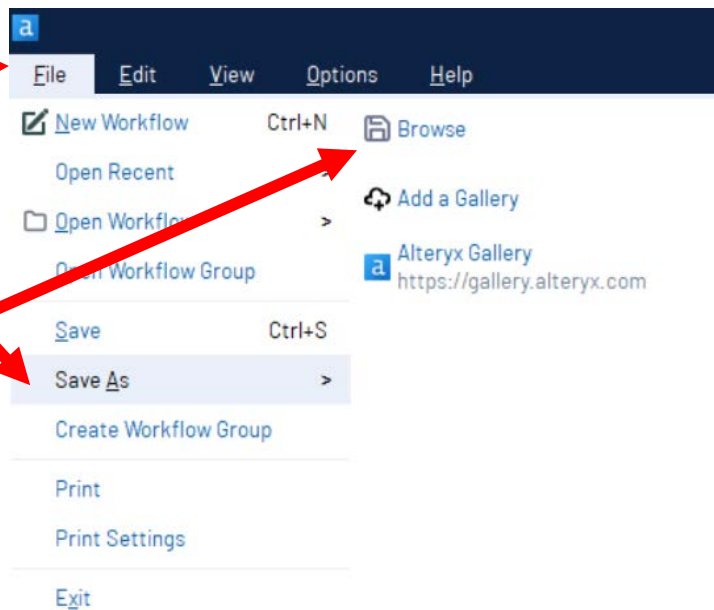
Select "OK"

Save the workflow.

Select "File".

Select "Save As".

Select "Browse".



Select "Save".  
And close Alteryx.

## Alteryx Part 2

Alteryx is used by several big four accounting firms to automate the **ETL** process. In this exercise you will **Extract** a General Journal sheet, **Transform** the data into the required format (combine two General Journal sheets into a General Ledger and an Unadjusted Trial Balance) and then **Load** the transformed data into Excel.

The **first eight journal entries** for A Byte of Accounting are stored on an Excel sheet named General Journal and were extracted, transformed and loaded in Part 1.

	A	B	C	D	E	F	G	H	I
1	<b>A Byte of Accounting, Inc.</b>								
2	<b>General Journal</b>								
3	Note: You can only enter data into the yellow filled cells.								
4	Transaction	Date	Account	Name	Description	Debit	Credit		
5									
6	01	Jun 01	1110	Cash	Investment from Mark Friedman	28,000.00			
7	01	Jun 01	3100	Capital Stock	Investment from Mark Friedman		28,000.00		
8									
41	08	Jun 14	1110	Cash	Services performed by Lucus Pictures	11,000.00			
42	08	Jun 14	4100	Computer & Consulting Revenue	Services performed by Lucus Pictures		11,000.00		
43									
	Introduction   FAQ   Welcome   Chart of Accounts   Transactions   <b>General Journal</b>   Worksheet								

The next **eleven journal entries** for A Byte of Accounting were created by another employee and are stored on an Excel sheet named General Journal Part 2.

As you review the new file, note the differences

1. The column headings are in row 6
2. The column headings are different
3. The columns are in a different order
4. Column B contains both the transaction number and the account number
5. The account number layout is different
6. The account name sometimes contains leading spaces

	A	B	C	D	E	F
1	<b>A Byte of Accounting, Inc.</b>					
2	<b>General Journal</b>					
3						
4						
5						
6	M/DD	Trans	Account	Detail	Account Name	Debit Right Side
7	6/16	09	1120000.0000	G. Washington Invoice 1492	Accounts Receivable	633.00
8	6/16	09	4130000.0000	G. Washington Invoice 1492	Repair Service	348.00
9	6/16	09	4110000.0000	G. Washington Invoice 1492	Equipment Sales	285.00
10						
11	6/16	10	5090000.0000	Invoice 1732	Cost of Goods Sold	161.03
12	6/16	10	1120000.0000	Invoice 1732	Inventory	161.03
38						
39	6/26	19	5080000.0000	Supplies Chk 5056	Supplies	124.00
40	6/26	19	1110000.0000	Supplies Chk 5056	Cash	124.00
41						
	General Journal   <b>General Journal Part 2</b>   Worksheet   Income Statement   Changes in Retained Earnings   Balance Sheet					

End with the General Ledger

	A	B	C	D	E	F	G	H	I
1	Account	Name	Transactio	Date	Description	Debit	Credit	Running Balance	
2	1110	Cash	1	2018-06-0	Investment	28000	0	28000	
3	1110	Cash	3	2018-06-0	Hailey Cor	0	7000	21000	
4	1110	Cash	5	2018-06-0	Scanner, J	0	125	20875	
5	1110	Cash	7	2018-06-0	Pd A/p ck6	0	640	20235	
6	1110	Cash	8	2018-06-1	Services pr	11000	0	31235	
7	1110	Cash	12	2018-06-1	To Payroll	0	1430.01	29805	
8	1110	Cash	13	2018-06-2	Receipt Ca	633	0	30438	
9	1110	Cash	14	2018-06-2	Monthly In	0	326	30112	
10	1110	Cash	15	2018-06-2	Maint Chk	0	190	29922	
11	1110	Cash	19	2018-06-2	Supplies Cl	0	124	29798	
12	1120	Accounts f	09	2018-06-1	G. Washin	633	0	633	
13	1120	Accounts f	13	2018-06-2	Receipt Ca	0	633	0	
14	1120	Accounts f	16	2018-06-2	J. Adans In	350	0	350	
15	1130	Inventory	10	2018-06-1	Invoice 17	0	161.025	-161.02	
16	1130	Inventory	17	2018-06-1	Invoice 17	0	147.84	-308.86	
17	1130	Inventory	18	2018-06-2	Purchased	3350	0	3041.14	
18	1211	Office Equ	2	2018-06-0	Hudson ec	4000	0	4000	
19	1211	Office Equ	5	2018-06-0	Scanner, J	125	0	4125	
20	1311	Computer	3	2018-06-0	Hailey Cor	7000	0	7000	
21	2101	Accounts f	2	2018-06-0	Hudson ec	0	4000	-4000	
22	2101	Accounts f	4	2018-06-0	Avery Rep	0	725	-4725	
23	2101	Accounts f	6	2018-06-0	Zac Adver	0	3380	-8105	
24	2101	Accounts f	7	2018-06-0	Pd A/p ck6	640	0	-7465	
25	2101	Accounts f	18	2018-06-2	Purchased	0	3350	-10815	
26	2120	Payroll Lia	11	2018-06-1	Salary Exp	0	1430.01	-1430.01	
27	2120	Payroll Lia	12	2018-06-1	To Payroll	1430.01	0	0	
28	3100	Capital Stc	1	2018-06-0	Investment	0	28000	-28000	
29	4100	Computer	8	2018-06-1	Services pr	0	11000	-11000	
30	4110	Equipmen	09	2018-06-1	G. Washin	0	285	-285	
31	4110	Equipmen	16	2018-06-2	J. Adans In	0	264	-549	
32	4130	Repair Ser	09	2018-06-1	G. Washin	0	348	-348	
33	4130	Repair Ser	16	2018-06-2	J. Adans In	0	86	-434	
34	5030	Advertisin	6	2018-06-0	Zac Adver	3380	0	3380	
35	5030	Insurance	14	2018-06-2	Monthly In	326	0	3706	
36	5040	Repairs & 4		2018-06-0	Avery Rep	725	0	725	
37	5080	Supplies	19	2018-06-2	Supplies Cl	124	0	124	
38	5090	Cost of Go	10	2018-06-1	Invoice 17	161.025	0	161.02	
39	5090	Cost of Go	17	2018-06-1	Invoice 17	147.84	0	308.86	
40	5220	Maintenai	15	2018-06-2	Maint Chk	190	0	190	
41	5380	Salary	11	2018-06-1	Salary Exp	1430.01	0	1430.01	

## And the Unadjusted Trial Balance

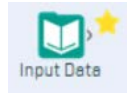
	A	B
1	Account And Name	Balance
2	1110 Cash	29797.99
3	1120 Accounts Receivable	350
4	1130 Inventory	3041.14
5	1211 Office Equip.	4125
6	1311 Computer Equip.	7000
7	2101 Accounts Payable	-10815
8	2120 Payroll Liabilities	0
9	3100 Capital Stock	-28000
10	4100 Computer & Consulting	-11000
11	4110 Equipment Sales	-549
12	4130 Repair Service	-434
13	5030 Advertising Expense	3380
14	5030 Insurance Expense	326
15	5040 Repairs & Maint. Expens	725
16	5080 Supplies	124
17	5090 Cost of Goods Sold	308.86
18	5220 Maintenance/Janitorial	190
19	5380 Salary	1430.01



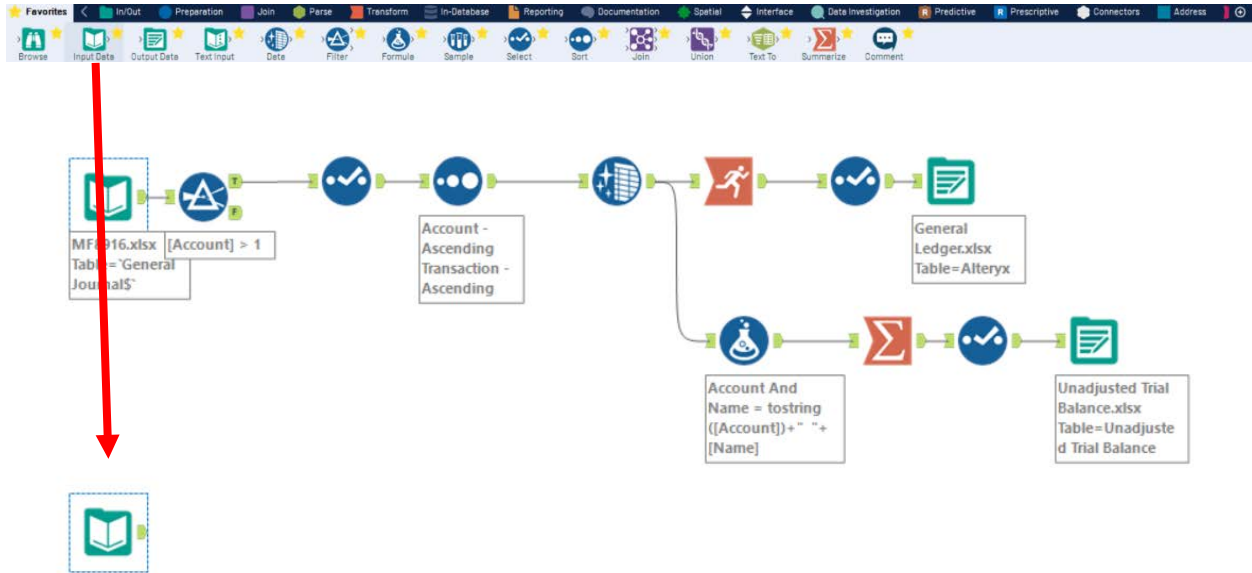
## Start Alteryx

## Tool 1: Input Data Tool – Input Excel file

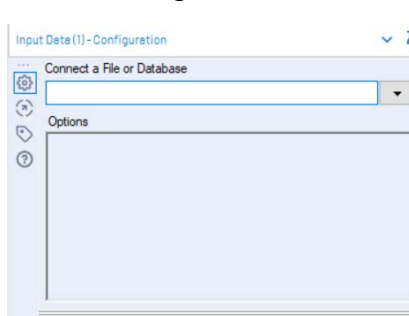
Drag the “Input Data Tool”



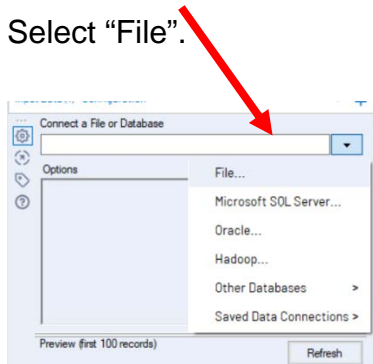
from the Tools Palette to the Canvas.



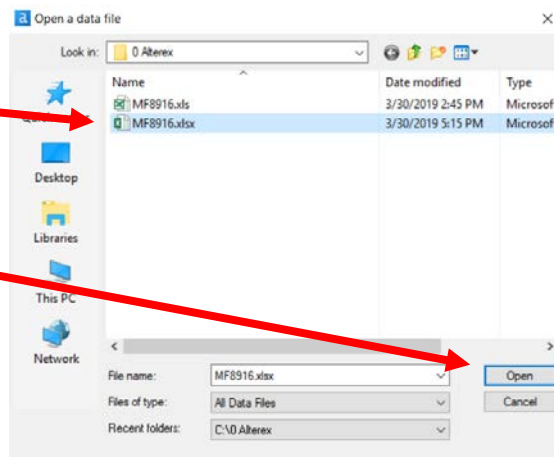
In the Configuration area, select the “Connect a File or Database” drop-down arrow.



Select “File”.



Browse for the desired file and select the version with the .xlsx file extension.

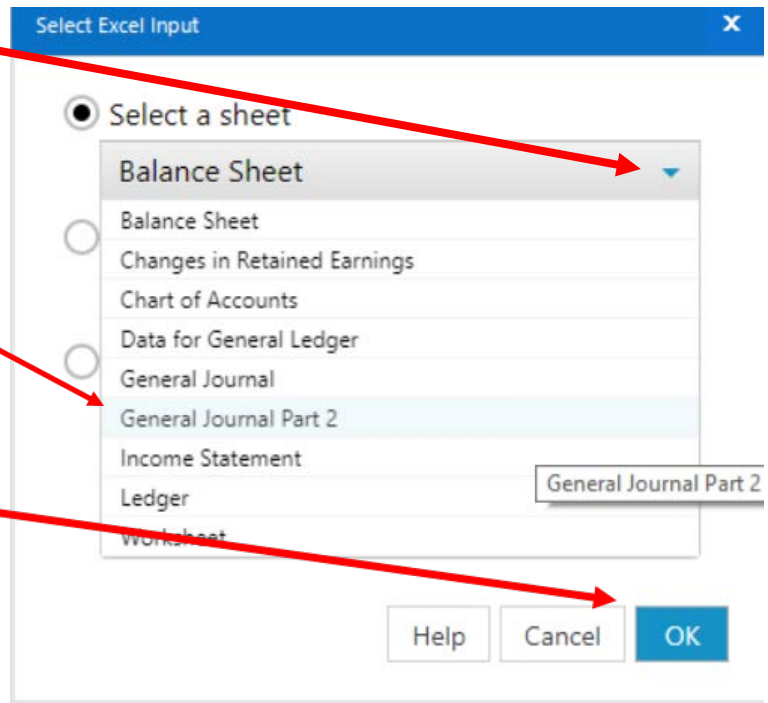


Select “Open”.

Click on the drop-down arrow.

Select General Journal Part 2.

Select OK.



Remember that the field names are in the sixth row.

In the Configuration area, change the number in “Start Data Import on Line” to 6.

Connect a File or Database

C:\000cybertext\0Alteryx\MF8916 Part2.xlsx

Options

Name	Value
2 File Format	Microsoft Excel (*.xlsx)
3 Table or Query	General Journal Part 2\$
4 Search SubDirs	<input type="checkbox"/>
5 Output File Name as Field	No
6 First Row Contains Data	<input type="checkbox"/>
7 Start Data Import on Line	6

Preview (first 100 records)

Refresh

Select “Run”.

Select the output connector on the “Input Data Tool”.

MF8916 Part2.xlsx  
Table=General Journal Part 2\$

MF8916 Part2.xlsx  
Table=General Journal Part 2\$

Account - Ascending  
Transaction - Ascending

General Ledger.xlsx  
Table=Alteryx

Unadjusted Trial Balance.xlsx  
Table=Unadjusted Trial Balance

Results - Input Data (21) - Output

7 of 7 Fields | Cell Viewer | 4,130 records displayed

Record #	M/DD	Trans	Account	Detail	Account Name	Debit	Right Side	F7
1	2018-06-16	09	1120000.0000	G. Washington Invoice 1492	Accounts Receivable	633	[Null]	[Null]
2	2018-06-16	09	4130000.0000	G. Washington Invoice 1492	Repair Service	[Null]	348	[Null]
3	2018-06-16	09	4110000.0000	G. Washington Invoice 1492	Equipment Sales	[Null]	285	[Null]
4	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
5	2018-06-16	10	5090000.0000	Invoice 1732	Cost of Goods Sold	161.025	[Null]	[Null]
6	2018-06-16	10	1130000.0000	Invoice 1733	Inventory	[Null]	161.025	[Null]
7	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
8	2018-06-16	11	5380000.0000	Salary Expense	Salary	1430.01	[Null]	[Null]
9	2018-06-16	11	2120000.0000	Salary Expense	Payroll Liabilities	[Null]	1430.01	[Null]

The “Results” window will display the field headings and the data.

**Tool 2: Text To Columns Tool – Separate one column into many columns**

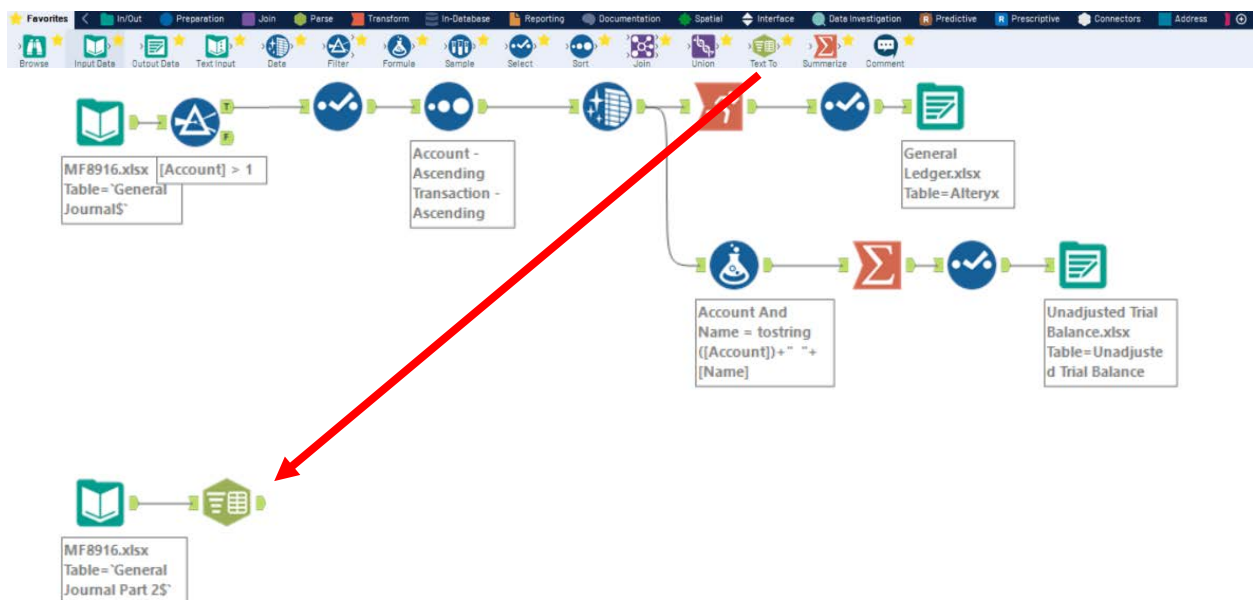
Column B in the source document contains a merged field of the transaction number and the account number separated by spaces. The spaces are referred to as the delimiter. Common delimiters are commas, dashes, and semicolons.

Each space is treated as a separate delimiter.

Therefore, we will convert one field into six fields.

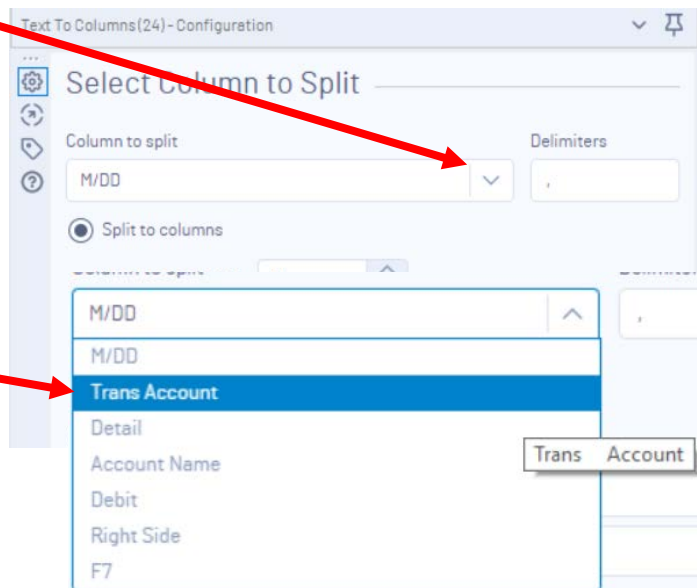
B	
Trans	Account
09	1120000.0000
09	4130000.0000
09	4110000.0000
10	5090000.0000
10	1130000.0000

Drag the “Text To Columns Tool” from the Tools Palette to the right of the “Input Data Tool” on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.



With the “**Text To Columns Tool**” selected, click the drop-down arrow on the “Column to Split” option.

Select the field “Trans Account”.

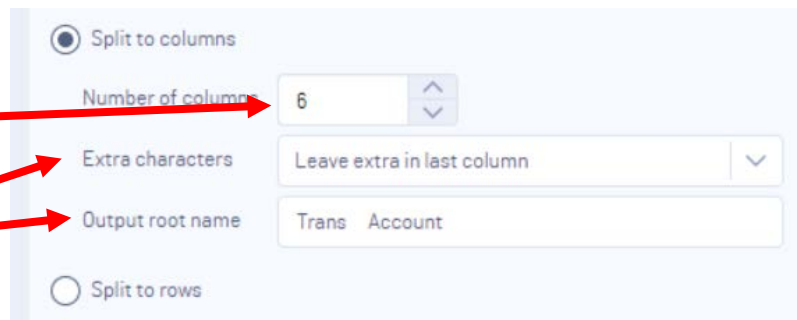


Enter a “space” as the delimiter.

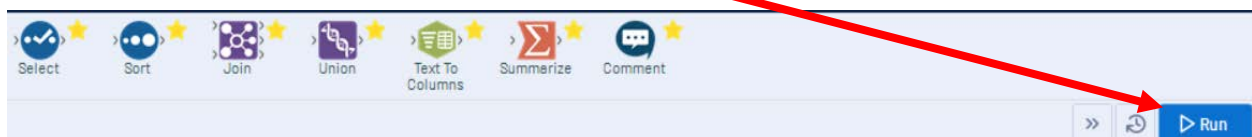


Enter “6” as the number of columns.

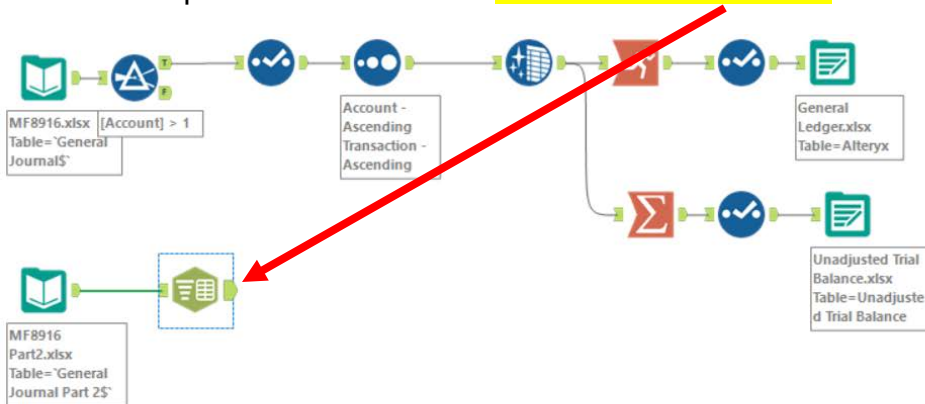
The defaults are OK.



To apply the latest change, select “Run”.



Select the output connector on the **Text To Columns Tool**.



Text To Columns(24) - Output

of 13 Fields | Cell Viewer | 4,130 records displayed

Record #	Debit	Right Side	F7	Trans	Account1	Trans	Account2	Trans	Account3	Trans	Account4	Trans	Account5	Trans	Account6
633		[Null]	[Null]	09											1120000.0000
	[Null]	348	[Null]	09											4130000.0000
	[Null]	285	[Null]	09											4110000.0000
	[Null]	[Null]	[Null]	[Null]		[Null]		[Null]		[Null]		[Null]		[Null]	

The “Results” window will display the field headings and the data.

Moreover, six new fields will be created from parsing the “Trans Account” field, four of which will be empty and should be removed.

The account number field in the new file will be a seven-digit number; whereas the old file used a four-digit account number therefore, “Trans Account6” will have to be converted.

**Tool 3: Select Tool – Remove extra fields, rename fields and change the type of field**

Drag the **Select Tool** from the Tools Palette to the right of the **Text To Columns Tool** on the Canvas. The two will be connected automatically.

The screenshot shows the Alteryx interface with the Tools Palette on the left. The Select Tool is being dragged from the palette to the canvas. The canvas shows a workflow starting with a Text To Columns Tool, followed by a Select Tool. The Select Tool is currently configured with all fields selected. A red arrow points from the Select Tool icon in the Tools Palette to the Select Tool on the canvas.

Remove the extra fields, “Trans Account2” - “Trans Account5”, by unchecking them.

The screenshot shows the Alteryx interface with the Select Tool configuration panel on the left. The Select Tool is configured with the following fields: M/DD, Trans Account, Detail, Account Name, Debit, Right Side, F7, Trans Account1, Trans Account2, Trans Account3, Trans Account4, Trans Account5, Trans Account6, and \*Unknown. The checkboxes for Trans Account2, Trans Account3, Trans Account4, and Trans Account5 are being unchecked. A red arrow points to these checkboxes.

Field	Type	Size	Rename	Description
M/DD	Date	10		
Trans Account	V_String	255		
Detail	V_String	255		
Account Name	V_String	255		
Debit	Double	8		
Right Side	Double	8		
F7	Double	8		
Trans Account1	V_String	255		TextToColumn...
Trans Account2	V_String	255		TextToColumn...
Trans Account3	V_String	255		TextToColumn...
Trans Account4	V_String	255		TextToColumn...
Trans Account5	V_String	255		TextToColumn...
Trans Account6	V_String	255		TextToColumn...
*Unknown	Unknown	0		Dynamic or U...

The screenshot also shows the Results - Select(38) - Output window with the following data:

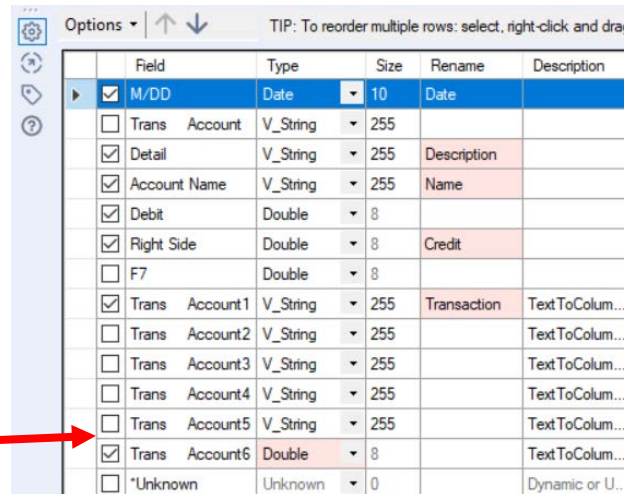
Record #	M/DD	Trans Account	Detail	Account Name	Debit	Right Side	Trans Account1	Trans Account6
1	2018-06-16	09 1120000.0000	G. Washington Invoice 1492	Accounts Receivable	633	[Null]	09	1120000.0000
2	2018-06-16	09 4130000.0000	G. Washington Invoice 1492	Repair Service	[Null]	348	09	4130000.0000
3	2018-06-16	09 4110000.0000	G. Washington Invoice 1492	Equipment Sales	285	[Null]	09	4110000.0000
4	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]	[Null]
5	2018-06-16	10 6000000.0000	Invoice 1733	Cost of Goods Sold	161,058	[Null]	10	6000000.0000

Select “Run”.

Subsequently, select the output connector on the **Select Tool**.



Rename all the fields that do not correspond with the field names in the old file. However, at this time do not rename “Trans Account6” to “Account”. A formula has to be created to convert to the format before the field is renamed.



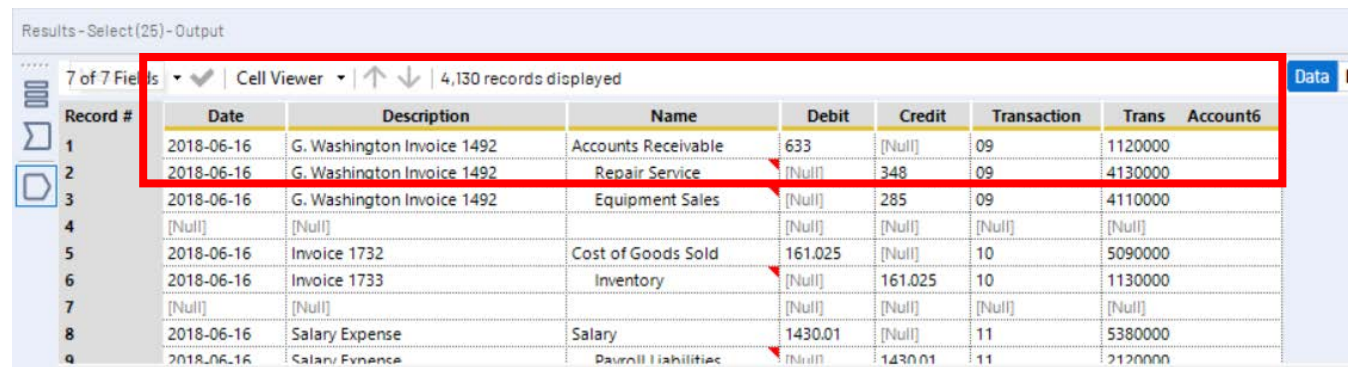
	Field	Type	Size	Rename	Description
<input checked="" type="checkbox"/>	M/DD	Date	10	Date	
<input type="checkbox"/>	Trans Account	V_String	255		
<input checked="" type="checkbox"/>	Detail	V_String	255	Description	
<input checked="" type="checkbox"/>	Account Name	V_String	255	Name	
<input checked="" type="checkbox"/>	Debit	Double	8		
<input checked="" type="checkbox"/>	Right Side	Double	8	Credit	
<input type="checkbox"/>	F7	Double	8		
<input checked="" type="checkbox"/>	Trans Account1	V_String	255	Transaction	TextToColum...
<input type="checkbox"/>	Trans Account2	V_String	255		TextToColum...
<input type="checkbox"/>	Trans Account3	V_String	255		TextToColum...
<input type="checkbox"/>	Trans Account4	V_String	255		TextToColum...
<input type="checkbox"/>	Trans Account5	V_String	255		TextToColum...
<input checked="" type="checkbox"/>	Trans Account6	Double	8		TextToColum...
<input type="checkbox"/>	*Unknown	Unknown	0		Dynamic or U...

Change the type of the “Trans Account6” field from “V\_String” to “Double”, i.e., a numeric value.

Select “Run”.

Then, select the output connector on the “**Select Tool**”.

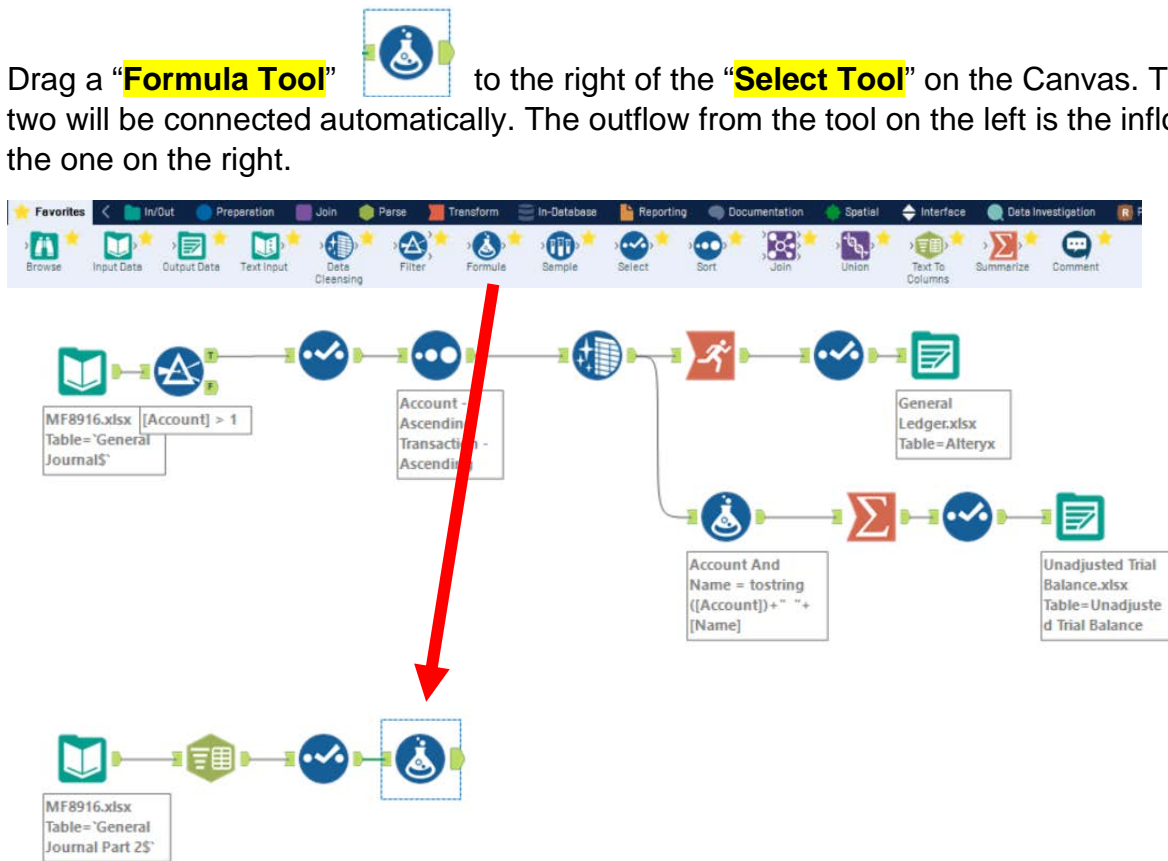
The new field headings are correct.



Record #	Date	Description	Name	Debit	Credit	Transaction	Trans	Account6
1	2018-06-16	G. Washington Invoice 1492	Accounts Receivable	633	[Null]	09	1120000	
2	2018-06-16	G. Washington Invoice 1492	Repair Service	[Null]	348	09	4130000	
3	2018-06-16	G. Washington Invoice 1492	Equipment Sales	[Null]	285	09	4110000	
4	[Null]	[Null]		[Null]	[Null]	[Null]	[Null]	
5	2018-06-16	Invoice 1732	Cost of Goods Sold	161.025	[Null]	10	5090000	
6	2018-06-16	Invoice 1733	Inventory	[Null]	161.025	10	1130000	
7	[Null]	[Null]		[Null]	[Null]	[Null]	[Null]	
8	2018-06-16	Salary Expense	Salary	1430.01	[Null]	11	5380000	
9	2018-06-16	Salary Expense	Payroll Liabilities	[Null]	1430.01	11	2120000	

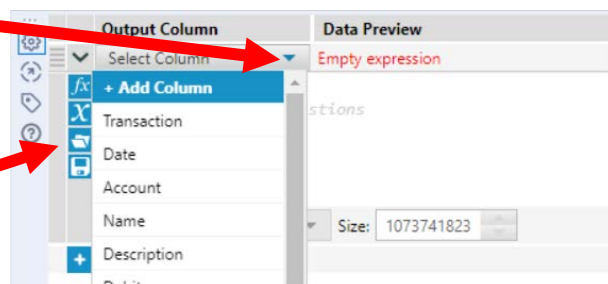
**Tool 4: Formula Tool:** We now want to convert the new file's seven-digit account number to the old file's four-digit code by dividing it by 1000.

Drag a **Formula Tool** to the right of the **Select Tool** on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.

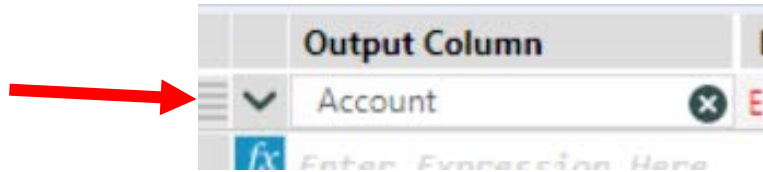


In the “Output Configuration” area,  
Select drop-down arrow on the  
“Select Column” option.

Select “Add Column”.

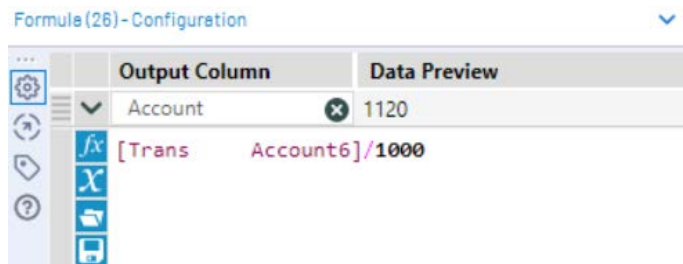


Type "Account".

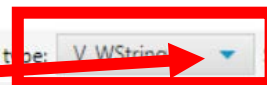


Type the formula

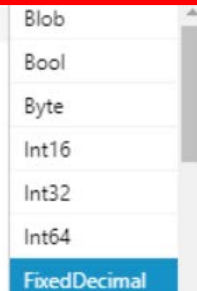
[Trans Account6]/1000.



Select the drop-down arrow to change the data type.



Select "FixedDecimal".



Change the Scale: (Decimal Places) to "2".



Select "Run".

Select the output connector on the "Formula Tool".

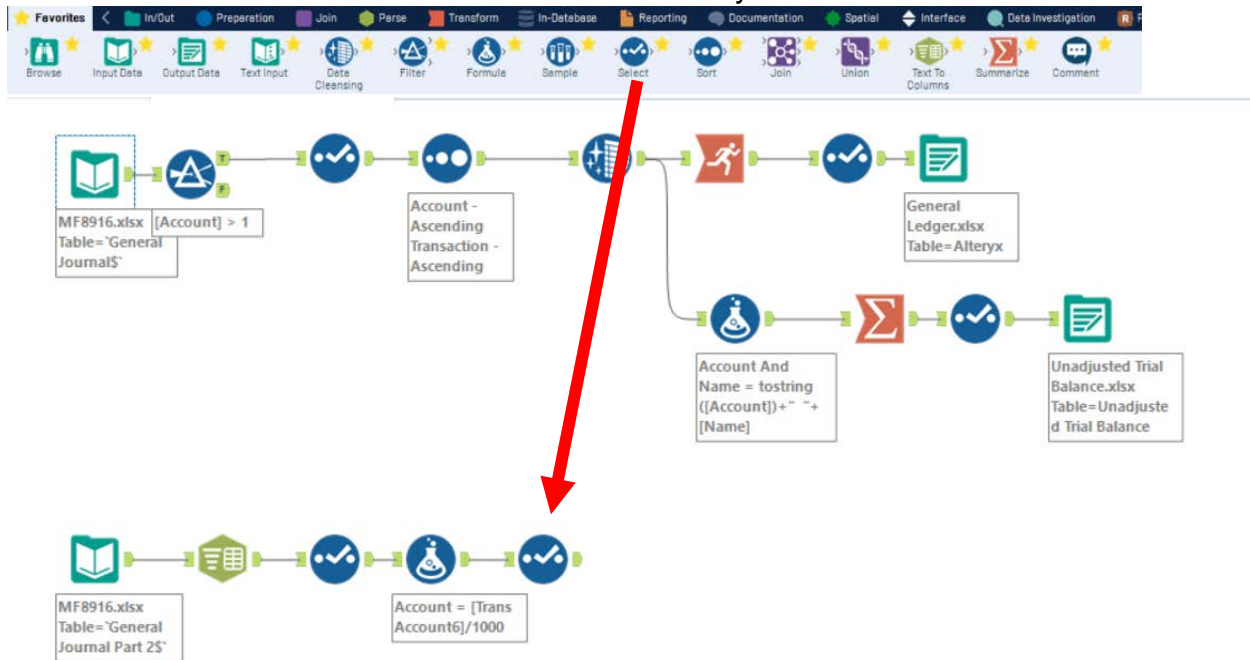
Results - Formula (26) - Output

8 of 8 Fields | Cell Viewer | 4,130 records displayed

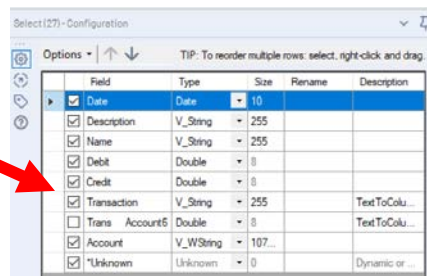
Record #	Date	Description	Name	Debit	Credit	Transaction	Trans	Account6	Account
1	2018-06-16	G. Washington Invoice 1492	Accounts Receivable	633	[Null]	09	1120000		1120
2	2018-06-16	G. Washington Invoice 1492	Repair Service	[Null]	348	09	4130000		4130
3	2018-06-16	G. Washington Invoice 1492	Equipment Sales	[Null]	285	09	4110000		4110
4	[Null]	[Null]		[Null]	[Null]	[Null]	[Null]		[Null]
5	2018-06-16	Invoice 1732	Cost of Goods Sold	161.025	[Null]	10	5090000		5090
6	2018-06-16	Invoice 1733	Inventory	[Null]	161.025	10	1130000		1130
7	[Null]	[Null]		[Null]	[Null]	[Null]	[Null]		[Null]
8	2018-06-16	Salary Expense	Salary	1430.01	[Null]	11	5380000		5380
9	2018-06-16	Salary Expense	Payroll Liabilities	[Null]	1430.01	11	2120000		2120

**Tool 5: Select Tool – Remove extra fields**

Drag another “**Select Tool**” from the Tools Palette to the right of the “**Formula Tool**” on the Canvas. The two will be connected automatically.



Uncheck the “Trans Account6” field.



Select “Run”.

Select the output connector on the “**Select Tool**”.

Results - Select (27) - Output

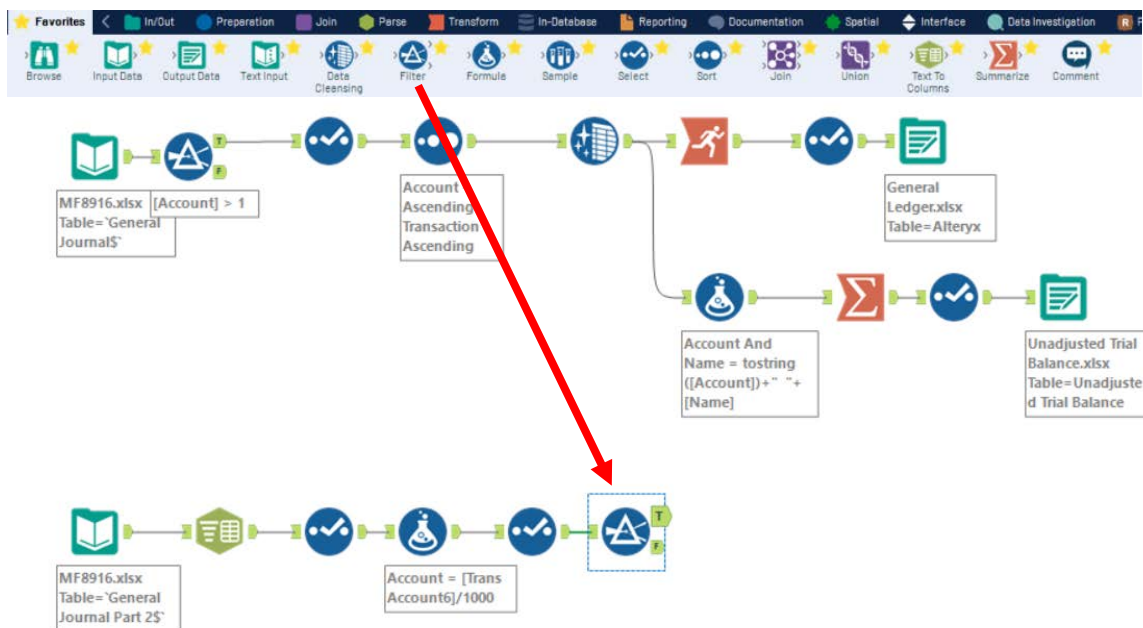
7 of 7 Fields | Cell Viewer | 4,130 records displayed

Record #	Date	Description	Name	Debit	Credit	Transaction	Account
1	2018-06-16	G. Washington Invoice 1492	Accounts Receivable	633	[Null]	09	1120
2	2018-06-16	G. Washington Invoice 1492	Repair Service	[Null]	348	09	4130
3	2018-06-16	G. Washington Invoice 1492	Equipment Sales	[Null]	285	09	4110
4	[Null]	[Null]		[Null]	[Null]	[Null]	[Null]
5	2018-06-16	Invoice 1732	Cost of Goods Sold	161.025	[Null]	10	5090
6	2018-06-16	Invoice 1733	Inventory	[Null]	161.025	10	1130
7	[Null]	[Null]		[Null]	[Null]	[Null]	[Null]
8	2018-06-16	Salary Expense	Salary	1430.01	[Null]	11	5380
9	2018-06-16	Salary Expense	Payroll Liabilities	[Null]	1430.01	11	7120

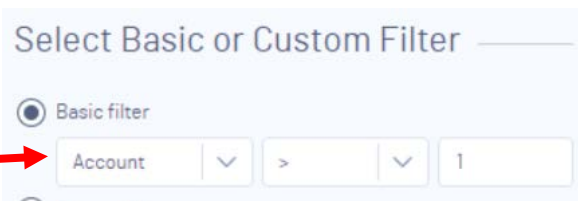
**Tool 6: Filter Tool – Remove extra rows**

There are several rows that do not contain an account number. We can modify the working dataset so that it includes only the rows that contain account numbers greater than one. Note that we are not deleting anything from the source data file. The working dataset will be split into two subsets. The first subset, “True”, will include all rows that have account numbers greater than one. The second subset, “False”, will contain all rows that have account numbers less than one.

Drag the “**Filter Tool**” from the Tools Palette to the right of the “**Select Tool**” on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.



With the “**Filter Tool**” selected, the “Basic” filter in the “Configuration” area can be modified to filter the field “Account” greater than “1”.





To apply the latest change, select “Run”.

Select the True output connector on the “**Filter Tool**”.

Select the “T” in the “Results” area.

7 of 7 Fields | Cell Viewer | 24 records displayed

Output #	Date	Description	Name	Debit	Credit	Transaction	Acc
1	2018-06-16	G. Washington Invoice 1492	Accounts Receivable	633	[Null]	09	1120
2	2018-06-16	G. Washington Invoice 1492	Repair Service	[Null]	348	09	4130
3	2018-06-16	G. Washington Invoice 1492	Equipment Sales	[Null]	285	09	4110
4	2018-06-16	Invoice 1732	Cost of Goods Sold	161.025	[Null]	10	5090
5	2018-06-16	Invoice 1733	Inventory	[Null]	161.025	10	1130
6	2018-06-16	Salary Expense	Salary	1430.01	[Null]	11	5380
7	2018-06-16	Salary Expense	Payroll Liabilities	[Null]	1430.01	11	2120
8	2018-06-16	To Payroll company Chk 6003	Payroll Liabilities	1430.01	[Null]	12	2120
9	2018-06-16	To Payroll company Chk 6003	Cash	[Null]	1430.01	12	1110

Something is wrong in the “Name” field; 54.17% of the data has leading spaces. We will have to remove the spaces when we remove the “Null”.

	Name	Debit	Credit	Transaction
Accounts	Accounts	633	[Null]	1
Repair	Repair	[Null]	348	4
Equipment Sales				4
Cost of Goods Sold		161.025	[Null]	10
Inventory		[Null]	161.025	10
Salary		1430.01	[Null]	11
Payroll Liabilities		[Null]	1430.01	11
Payroll Liabilities		1430.01	[Null]	12
Cash		[Null]	1430.01	12

Not OK: 54.17%  
OK: 45.83%

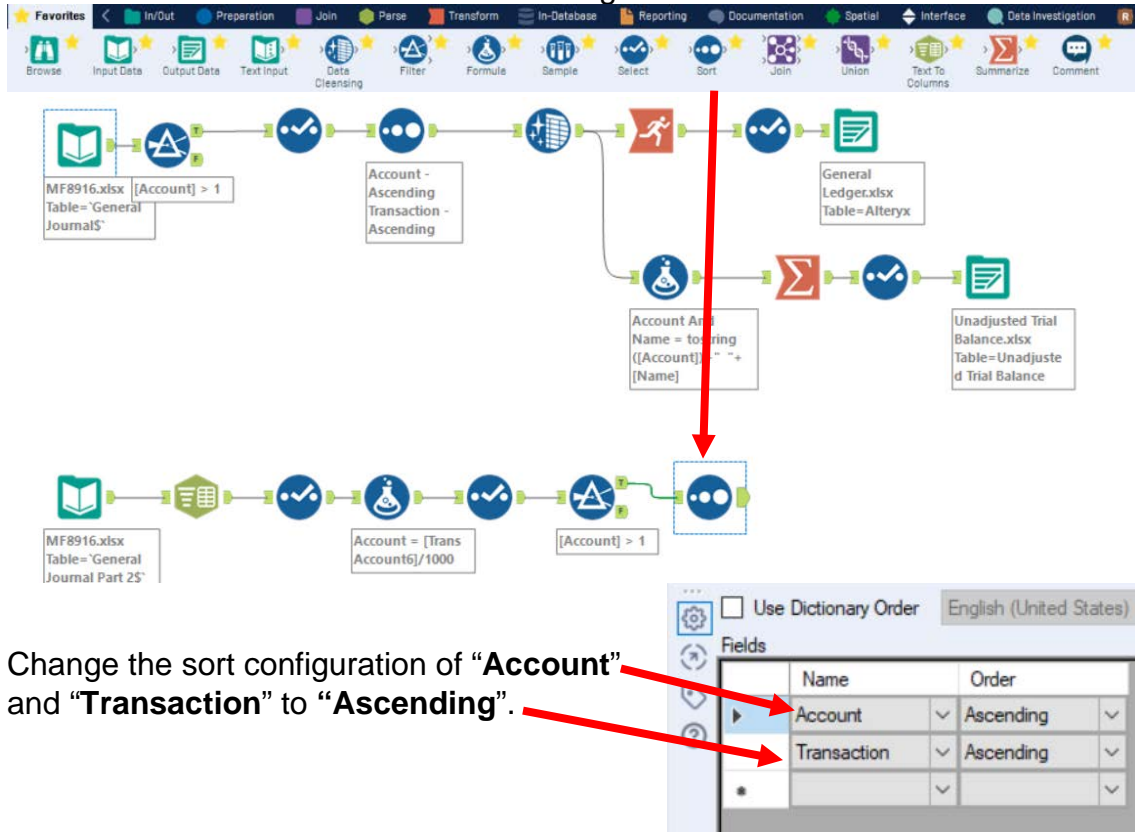
This cell has leading spaces.



**Tool 7: Select Tool – Sort by “Account” and then “Transaction”**

The data is displayed as it was extracted from the source document. We want to have the data in the “Account” order and then in “Transaction” order.

Drag the “**Sort Tool**” from the Tools Palette to the True connector of the “**Filter Tool**” on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.



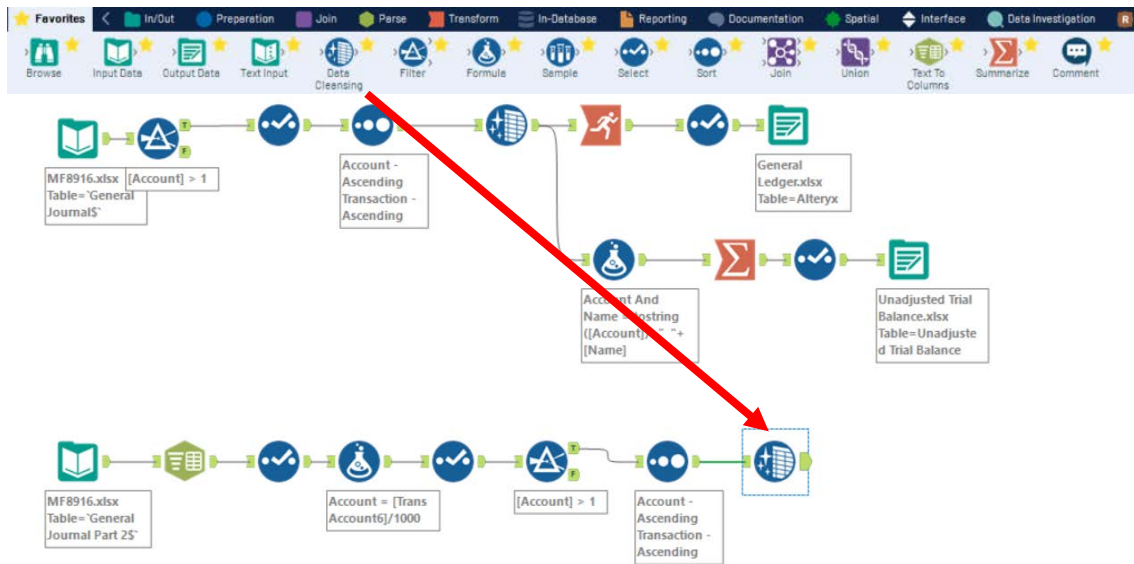
To apply the latest change, select “Run”.  
Select the True output connector on the “**Filter Tool**”.

Record #	Date	Description	Name	Debit	Credit	Transaction	Account
1	2018-06-16	To Payroll company Chk 6003	Cash	[Null]	1430.0	12	1110
2	2018-06-21	Receipt Cash Inv # 1732	Cash	633	[Null]	13	1110
3	2018-06-22	Monthly Insurance Chk 6004	Cash	[Null]	326	14	1110
4	2018-06-23	Maint Chk 6005	Cash	[Null]	190	15	1110
5	2018-06-26	Supplies Chk 5056	Cash	[Null]	124	19	1110
6	2018-06-16	G. Washington Invoice 1492	Accounts Receivable	633	[Null]	09	1120
7	2018-06-21	Receipt Cash Inv # 1733	Accounts Receivable	[Null]	633	13	1120
8	2018-06-24	J. Adams Invoice 1493	Accounts Receivable	350	[Null]	16	1120
9	2018-06-16	Invoice 1733	Inventory	[Null]	161.02	10	1130

**Tool 8: Data Cleansing Tool – Replace “Null” with “0” and remove leading spaces**

There are cells in the “Debit” and “Credit” columns that are coded as “Null”.

Drag the **Data Cleansing Tool** from the Tools Palette to the right of the **Sort Tool** on the Canvas. The two will be connected automatically. The outflow from the tool on the left is the inflow to the one on the right.



Change the configuration, leaving only “Name”, “Debit”, and “Credit” checked.

Select “Replace with 0” on the “Replace Nulls” option.

Remove the unwanted spaces.

The screenshot shows the 'Options' dialog box for the Data Cleansing Tool. The 'Select Fields to Cleanse' section has checkboxes for Date, Description, Name, Debit, Credit, Transaction, and Account. The 'Name', 'Debit', and 'Credit' checkboxes are checked. The 'Replace Nulls' section has checkboxes for 'Replace with Blanks (String Fields)' and 'Replace with 0 (Numeric Fields)'. The 'Replace with 0 (Numeric Fields)' checkbox is checked. The 'Remove Unwanted Characters' section has checkboxes for 'Leading and Trailing Whitespace', 'Tabs, Line Breaks, and Duplicate Whitespace', and 'All Whitespace'. The 'Leading and Trailing Whitespace' checkbox is checked.

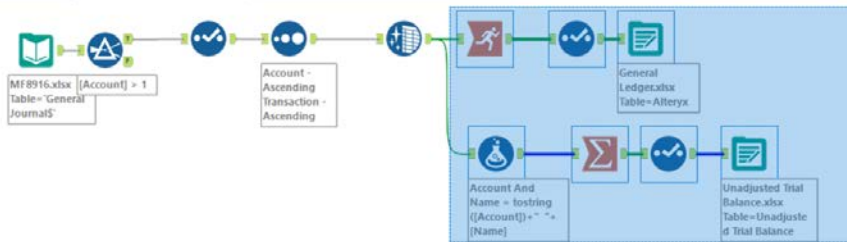
Select “Run”.

Select the output connector on the **Data Cleansing Tool**.

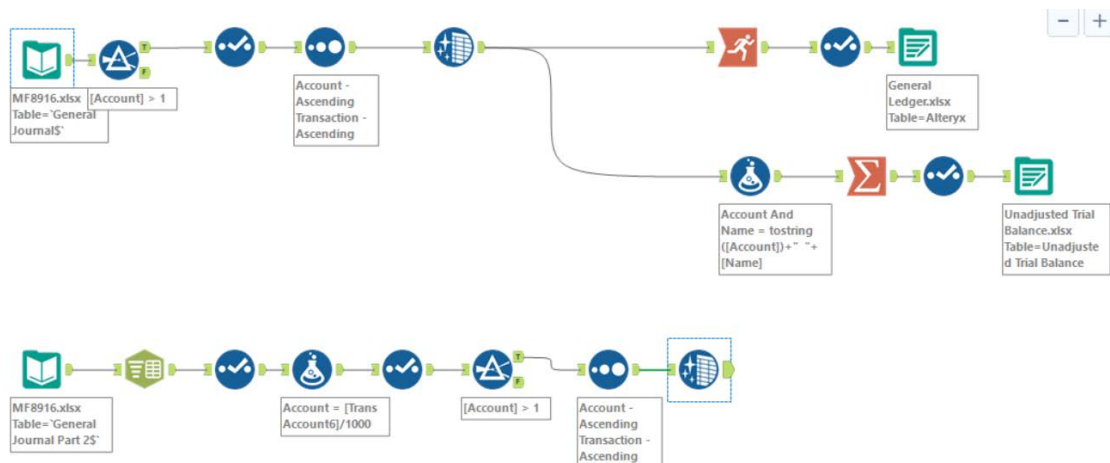
Record #	Date	Description	Name	Debit	Credit	Transaction	Account
1	2018-06-16	To Payroll company Chk 6003	Cash	0	1430.01	12	1110
2	2018-06-21	Receipt Cash Inv # 1732	Cash	633	0	13	1110
3	2018-06-22	Monthly Insurance Chk 6004	Cash	0	326	14	1110
4	2018-06-23	Maint Chk 6005	Cash	0	190	15	1110
5	2018-06-26	Supplies Chk 5056	Cash	0	124	19	1110
6	2018-06-16	G. Washington Invoice 1492	Accounts Receivable	633	0	09	1120
7	2018-06-21	Receipt Cash Inv # 1732	Accounts Receivable	0	633	13	1120

**Tool 9: Union Tool:** Appends multiple data streams into one stream based upon the field name or record position.

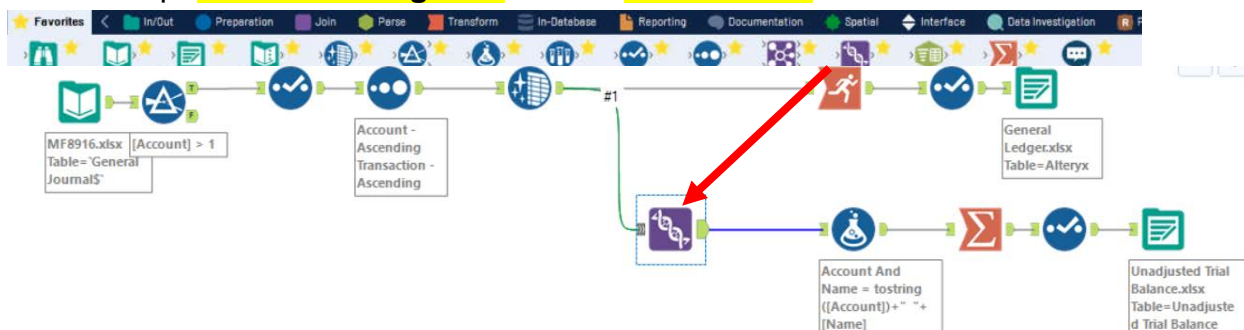
Rearrange the top flow by clicking and dragging a box around the seven tools in the upper-right corner and releasing the mouse.



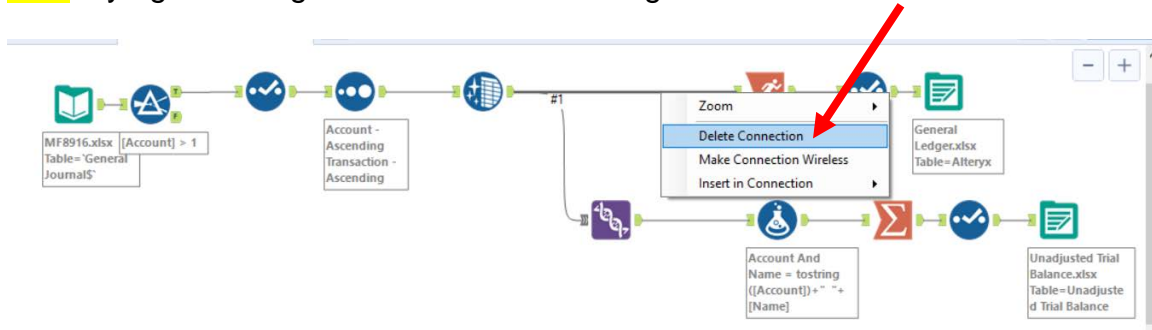
Click the right arrow on the keyboard and the seven tools will move to the right.



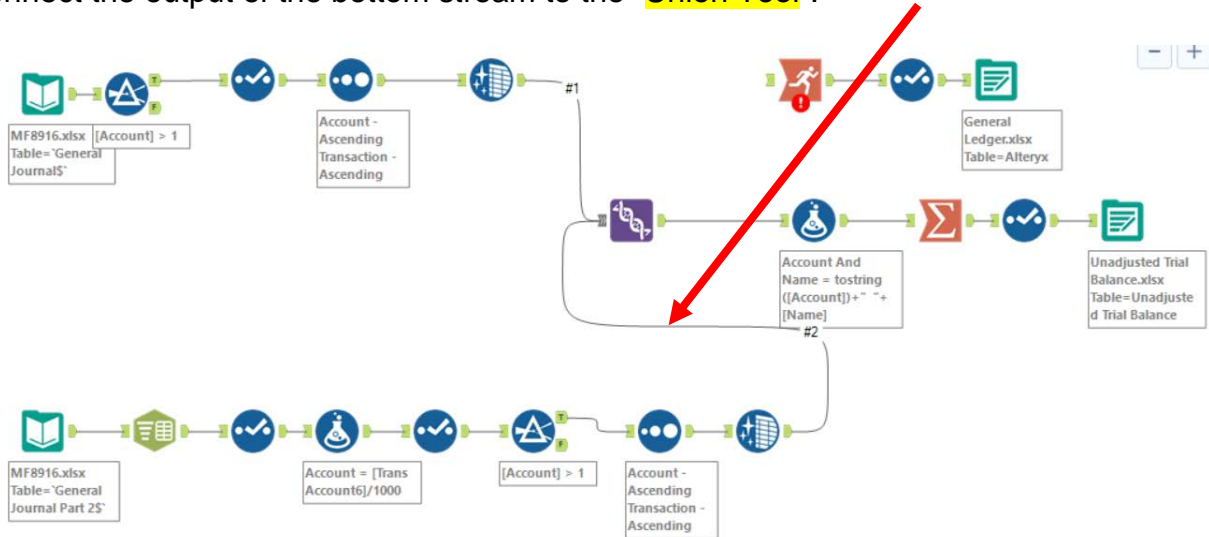
Drag the **Union Tool** from the Tools Palette to the position between the path from the top **Data Cleansing Tool** to the **Formula Tool**.



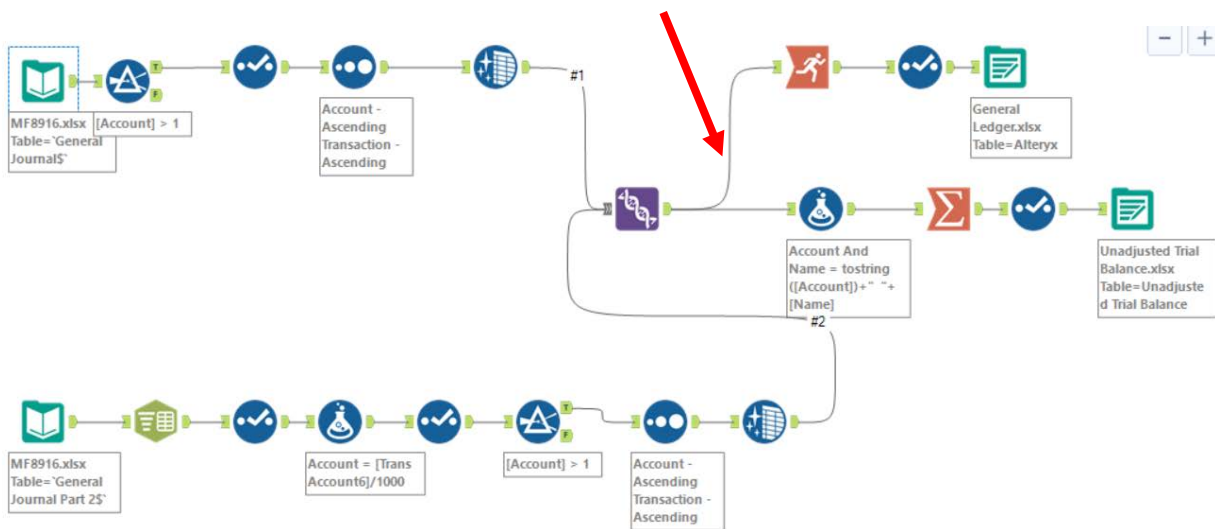
Delete the connection between the top “**Data Cleansing Tool**” and the “**Running Total Tool**” by right clicking on the line and selecting “Delete Connection”.



Connect the output of the bottom stream to the “**Union Tool**”.



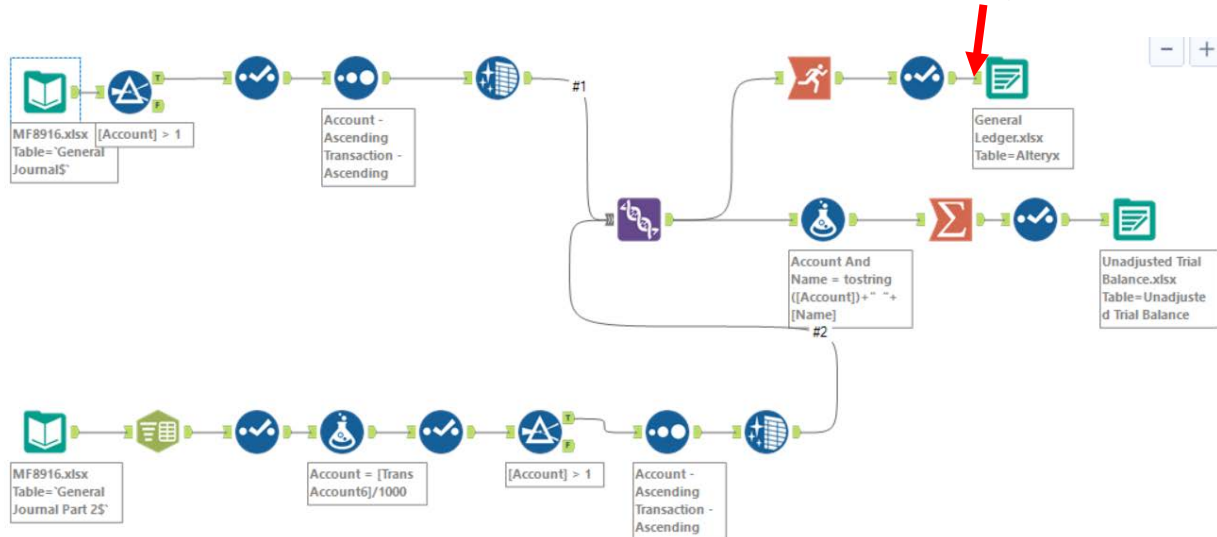
Connect the output of the “**Union Tool**” to the “**Running Balance Tool**”.





Select "Run".

Select the input connector on the "Output Data Tool" for the General Ledger.



Something is wrong! The running balance is zero for several rows from the second input stream . . .

Messages								
Cell Viewer								
40 records displayed								
Record #	Account	Name	Transaction	Date	Description	Debit	Credit	Running Balance
1	1110	Cash	1	2018-06-01	Investment from Mark Friedman	28000	0	28000
2	1110	Cash	3	2018-06-01	Hailey Computers 87245, ck6001	0	7000	21000
3	1110	Cash	5	2018-06-04	Scanner, Jake Supplies, 54-541 ck6002	0	125	20875
4	1110	Cash	7	2018-06-08	Pd A/p ck6003	0	640	20235
5	1110	Cash	8	2018-06-14	Services performed by Lucas Pictures	11000	0	31235
6	1110	Cash	12	2018-06-16	To Payroll company Chk 6003	0	1430.01	31235
7	1110	Cash	13	2018-06-21	Receipt Cash Inv # 1732	633	0	31235
8	1110	Cash	14	2018-06-22	Monthly Insurance Chk 6004	0	326	31235
9	1110	Cash	15	2018-06-23	Maint Chk 6005	0	190	31235
10	1110	Cash	19	2018-06-26	Supplies Chk 5056	0	124	31235
11	1120	Accounts Receivable	09	2018-06-16	G. Washington Invoice 1492	633	0	0
12	1120	Accounts Receivable	13	2018-06-21	Receipt Cash Inv # 1732	0	633	0
13	1120	Accounts Receivable	16	2018-06-24	J. Adams Invoice 1493	350	0	0
14	1130	Inventory	10	2018-06-16	Invoice 1733	0	161.02	0
15	1130	Inventory	17	2018-06-16	Invoice 1733	0	147.84	0
16	1130	Inventory	18	2018-06-25	Purchased Inventory PO # 21021	3350	0	0
17	1211	Office Equip.	2	2018-06-01	Hudson equipment Invoice BC3887	4000	0	4000
18	1211	Office Equip.	5	2018-06-04	Scanner, Jake Supplies, 54-541 ck6002	125	0	4125
19	1311	Computer Equip.	3	2018-06-01	Hailey Computers 87245, ck6001	7000	0	7000
20	2101	Accounts Payable	2	2018-06-01	Hudson equipment Invoice BC3887	0	4000	-4000
21	2101	Accounts Payable	4	2018-06-02	Avery Repairs, Invoice 25478	0	725	-4725
22	2101	Accounts Payable	6	2018-06-08	Zac Advertising 23547	0	3380	-8105

Select the “Running Balance Tool”.

Running Total (11) - Configuration

Group By (Optional)


- ☐ Transaction
- ☐ Date
- ☒ Account
- ☐ Name
- ☐ Description

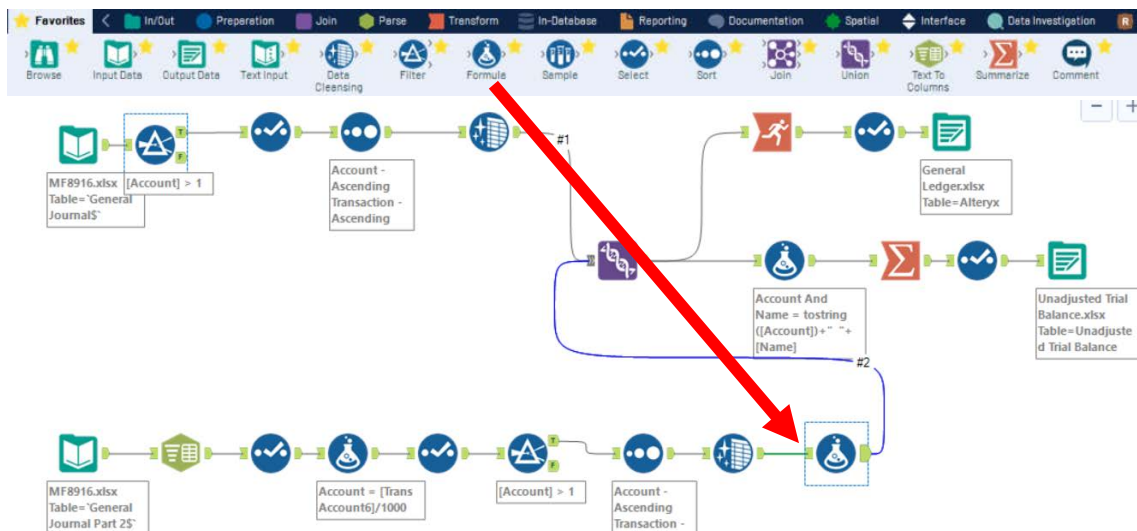
Create Running Total

- ☐ Account
- ☐ Debit
- ☐ Credit
- ☒ Total Balance

The running balance is based on the “Total Balance” field that does not exist in the second stream.

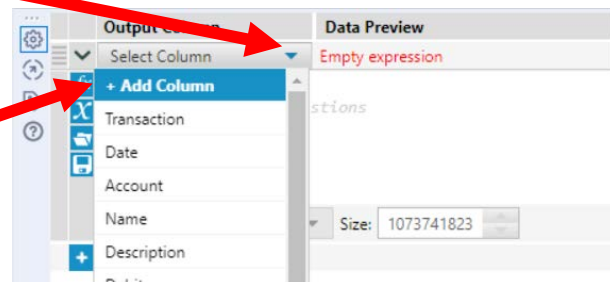
**Tool 9: Formula Tool:** We need to create a new field in the second stream, “Total Balance”, which will have the following formula: Debit – Credit. This will produce a positive number if it is a debit amount and a negative number if it is a credit amount.

Drag a “**Formula Tool**”  to a position on the path between the bottom “**Data Cleansing Tool**” and the “**Union Tool**” on the Canvas. The three tools will be automatically connected. The data flows into the left side of the tool and out of the right side of the tool.

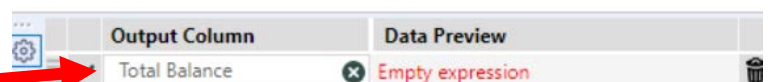


In the “Output Configuration” area, select the drop-down arrow on the “Select Column” option.

Select “Add Column”.

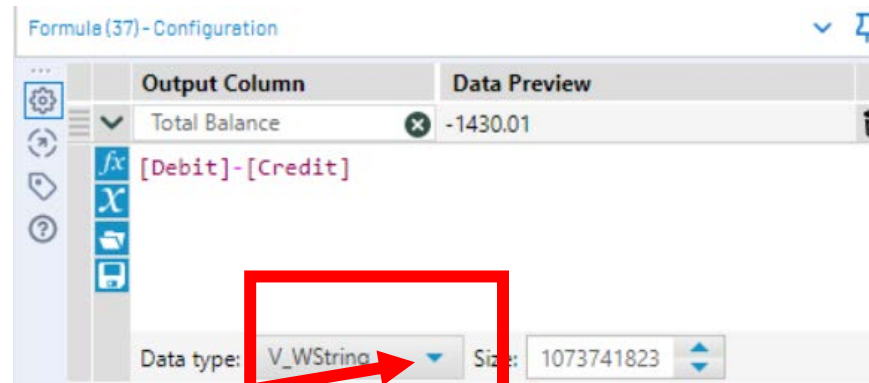


Type the name of the new field “Total Balance”.

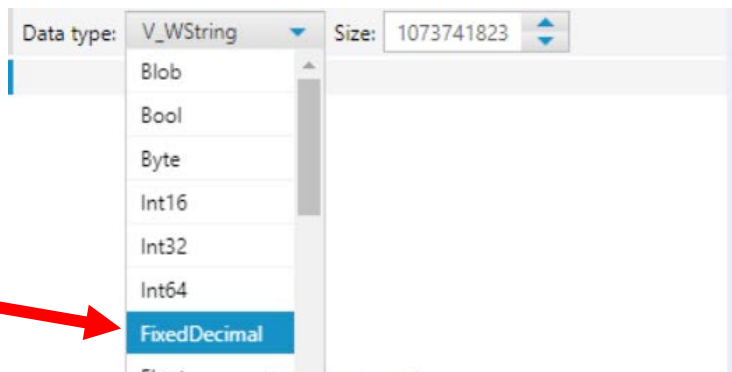




Type the formula  
[Debit] - [Credit].



Select the drop-down arrow to  
change the data type.



Select "FixedDecimal".

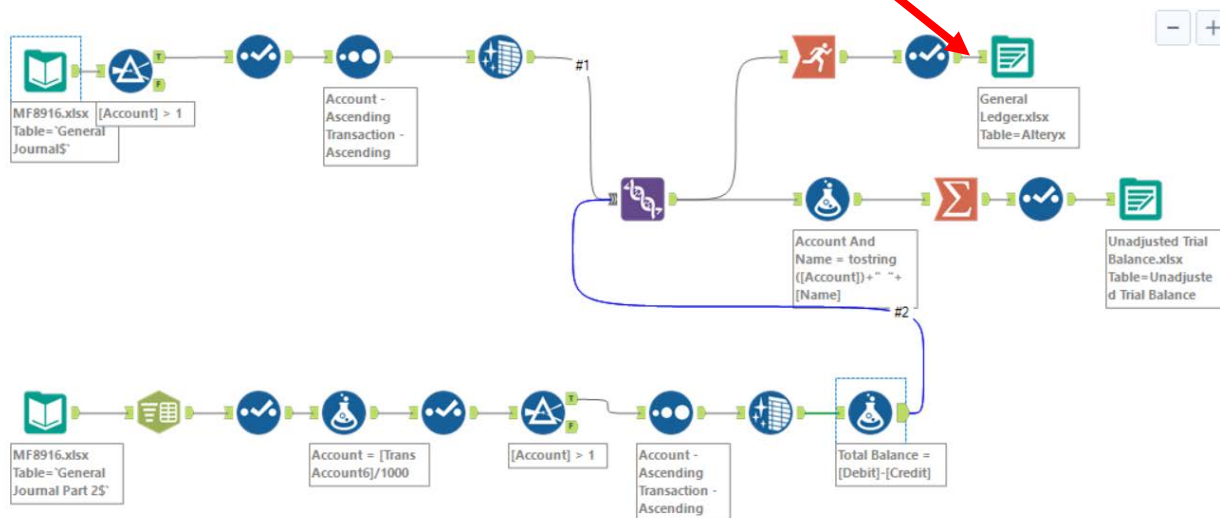


Change the Scale: (Decimal Places) to "2".



Select "Run".

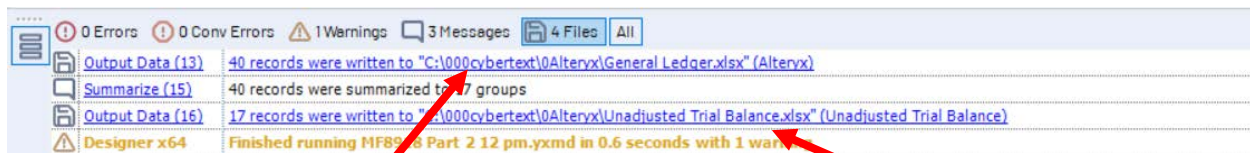
Select the input connector on the "Output Data Tool" for the General Ledger.



Everything looks great!

Record #	Account	Name	Transaction	Date	Description	Debit	Credit	Running Balance
1	1110	Cash	1	2018-06-01	Investment from Mark Friedman	28000	0	28000
2	1110	Cash	3	2018-06-01	Hailey Computers 87245, ck6001	0	7000	21000
3	1110	Cash	5	2018-06-04	Scanner, Jake Supplies, 54-541 ck6002	0	125	20875
4	1110	Cash	7	2018-06-08	Pd A/p ck6003	0	640	20235
5	1110	Cash	8	2018-06-14	Services performed by Lucas Pictures	11000	0	31235
6	1110	Cash	12	2018-06-16	To Payroll company Chk 6003	0	1430.01	29804.99
7	1110	Cash	13	2018-06-21	Receipt Cash Inv # 1732	633	0	30437.99
8	1110	Cash	14	2018-06-22	Monthly Insurance Chk 6004	0	326	30111.99
9	1110	Cash	15	2018-06-23	Maint Chk 6005	0	190	29921.99
10	1110	Cash	19	2018-06-26	Supplies Chk 5056	0	124	29797.99
11	1120	Accounts Receivable	09	2018-06-16	G. Washington Invoice 1492	633	0	633
12	1120	Accounts Receivable	13	2018-06-21	Receipt Cash Inv # 1732	0	633	0
13	1120	Accounts Receivable	16	2018-06-24	J. Adans Invoice 1493	350	0	350
14	1130	Inventory	10	2018-06-16	Invoice 1733	0	161.025	-161.02
15	1130	Inventory	17	2018-06-16	Invoice 1733	0	147.84	-308.86
16	1130	Inventory	18	2018-06-25	Purchased Inventory PO # 21021	3350	0	3041.14
17	1211	Office Equip.	2	2018-06-01	Hudson equipment Invoice BC3887	4000	0	4000
18	1211	Office Equip.	5	2018-06-04	Scanner, Jake Supplies, 54-541 ck6002	125	0	4125
19	1311	Computer Equip.	3	2018-06-01	Hailey Computers 87245, ck6001	7000	0	7000
20	2101	Accounts Payable	2	2018-06-01	Hudson equipment Invoice BC3887	0	4000	-4000
21	2101	Accounts Payable	4	2018-06-02	Avery Repairs, Invoice 25478	0	725	-4725
22	2101	Accounts Payable	6	2018-06-08	Zac Advertising, 23547	0	3380	-8105
23	2101	Accounts Payable	7	2018-06-08	Pd A/p ck6003	640	0	-7465
24	2101	Accounts Payable	18	2018-06-25	Purchased Inventory PO # 21021	0	3350	-10815
25	2120	Payroll Liabilities	11	2018-06-16	Salary Expense	0	1430.01	-1430.01
26	2120	Payroll Liabilities	12	2018-06-16	To Payroll company Chk 6003	1430.01	0	0
27	3100	Capital Stock	1	2018-06-01	Investment from Mark Friedman	0	28000	-28000

Select "Run".



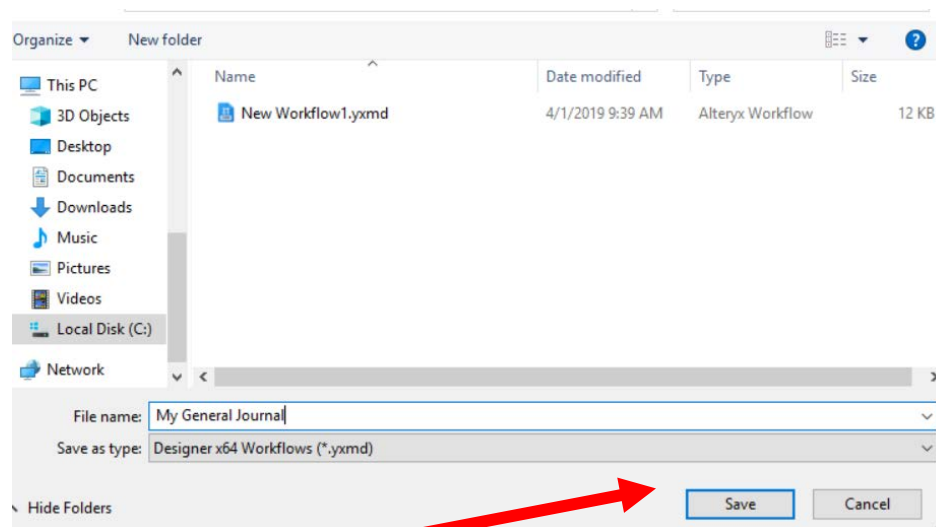
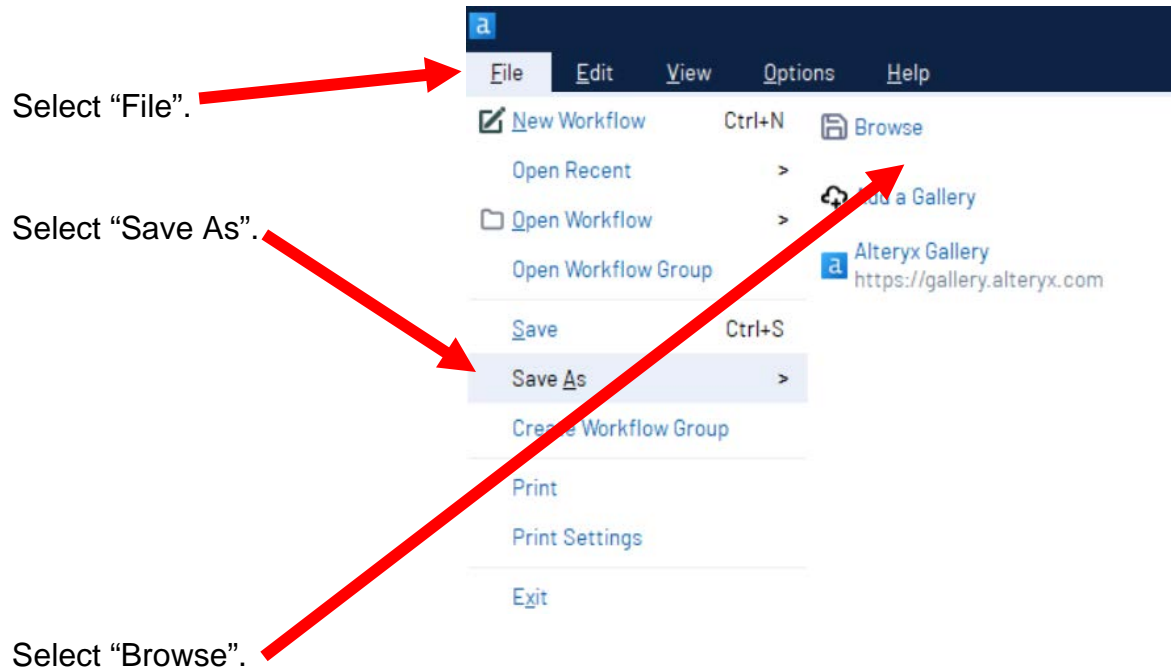
Click and open the Excel Ledger and the Excel Unadjusted Trial Balance.

General Ledger.xlsx... Mark Fried								
File Home Insert Page Layout Formulas Data Review View Developer								
A1	Account							
A	B	C	D	E	F	G	H	I
Account	Name	Transactio	Date	Descriptio	Debit	Credit	Running Balance	
1110	Cash	1	2018-06-0	Investmer	28000	0	28000	
1110	Cash	3	2018-06-0	Hailey Cor	0	7000	21000	
1110	Cash	5	2018-06-0	Scanner, J	0	125	20875	
1110	Cash	7	2018-06-0	Pd A/p ck	0	640	20235	
1110	Cash	8	2018-06-1	Services p	11000	0	31235	
1110	Cash	12	2018-06-1	To Payroll	0	1430.01	29805	
1110	Cash	13	2018-06-2	Receipt Ca	633	0	30438	
1110	Cash	14	2018-06-2	Monthly li	0	326	30112	
1110	Cash	15	2018-06-2	Maint Chk	0	190	29922	
1110	Cash	19	2018-06-2	Supplies Cl	0	124	29798	
1120	Accounts f	09	2018-06-1	G. Washin	633	0	633	
1120	Accounts f	13	2018-06-2	Receipt Ca	0	633	0	
1120	Accounts f	16	2018-06-2	J. Adans Ir	350	0	350	
1130	Inventory	10	2018-06-1	Invoice 17	0	161.025	-161.02	
1130	Inventory	17	2018-06-1	Invoice 17	0	147.84	-308.86	
1130	Inventory	18	2018-06-2	Purchased	3350	0	3041.14	
1211	Office Equ	2	2018-06-0	Hudson ec	4000	0	4000	
1211	Office Equ	5	2018-06-0	Scanner, J	125	0	4125	
1311	Computer	3	2018-06-0	Hailey Cor	7000	0	7000	
2101	Accounts f	2	2018-06-0	Hudson ec	0	4000	-4000	
2101	Accounts f	4	2018-06-0	Avery Rep	0	725	-4725	
2101	Accounts f	6	2018-06-0	Zac Adver	0	3380	-8105	
2101	Accounts f	7	2018-06-0	Pd A/p ck	640	0	-7465	
2101	Accounts f	18	2018-06-2	Purchased	0	3350	-10815	
2120	Payroll Lia	11	2018-06-1	Salary Exp	0	1430.01	-1430.01	
2120	Payroll Lia	12	2018-06-1	To Payroll	1430.01	0	0	
3100	Capital Stc	1	2018-06-0	Investmer	0	28000	-28000	
4100	Computer	8	2018-06-1	Services p	0	11000	-11000	
4110	Equipmen	09	2018-06-1	G. Washin	0	285	-285	
4110	Equipmen	16	2018-06-2	J. Adans Ir	0	264	-549	
4130	Repair Ser	09	2018-06-1	G. Washin	0	348	-348	
4130	Repair Ser	16	2018-06-2	J. Adans Ir	0	86	-434	
5030	Advertisin	6	2018-06-0	Zac Adver	3380	0	3380	
5030	Insurance	14	2018-06-2	Monthly li	326	0	3706	
5040	Repairs &	4	2018-06-0	Avery Rep	725	0	725	
5080	Supplies	19	2018-06-2	Supplies Cl	124	0	124	
5090	Cost of Go	10	2018-06-1	Invoice 17	161.025	0	161.02	
5090	Cost of Go	17	2018-06-1	Invoice 17	147.84	0	308.86	
5220	Maintenai	15	2018-06-2	Maint Chk	190	0	190	
5380	Salary	11	2018-06-1	Salary Exp	1430.01	0	1430.01	

Unadjusted Trial Bal... Friedman, Mark E.

	A	B
1	Account And Name	Balance
2	1110 Cash	29797.99
3	1120 Accounts Receivable	350
4	1130 Inventory	3041.14
5	1211 Office Equip.	4125
6	1311 Computer Equip.	7000
7	2101 Accounts Payable	-10815
8	2120 Payroll Liabilities	0
9	3100 Capital Stock	-28000
10	4100 Computer & Consulting	-11000
11	4110 Equipment Sales	-549
12	4130 Repair Service	-434
13	5030 Advertising Expense	3380
14	5030 Insurance Expense	326
15	5040 Repairs & Maint. Expens	725
16	5080 Supplies	124
17	5090 Cost of Goods Sold	308.86
18	5220 Maintenance/Janitorial	190
19	5380 Salary	1430.01

Save the workflow.



Select "Save".

And, close Alteryx.

Great Job!