

EXP.NO: 8	ADVANCED QUERY BUILDING WITH POWER BI	Name:
DATE:		Roll no:

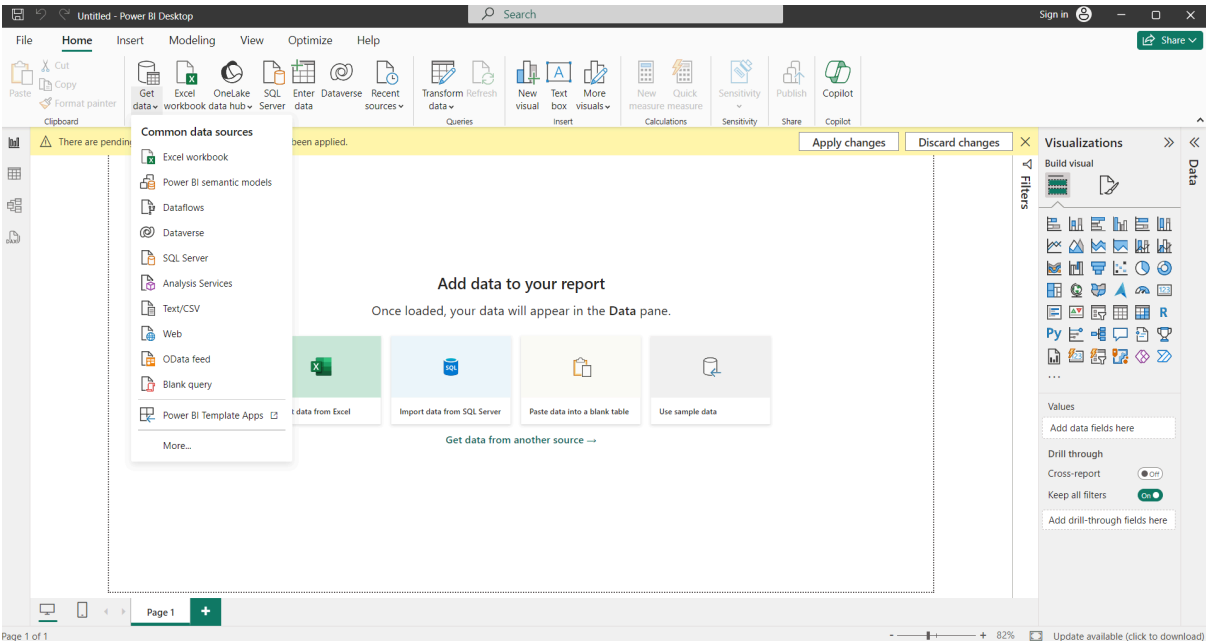
AIM:

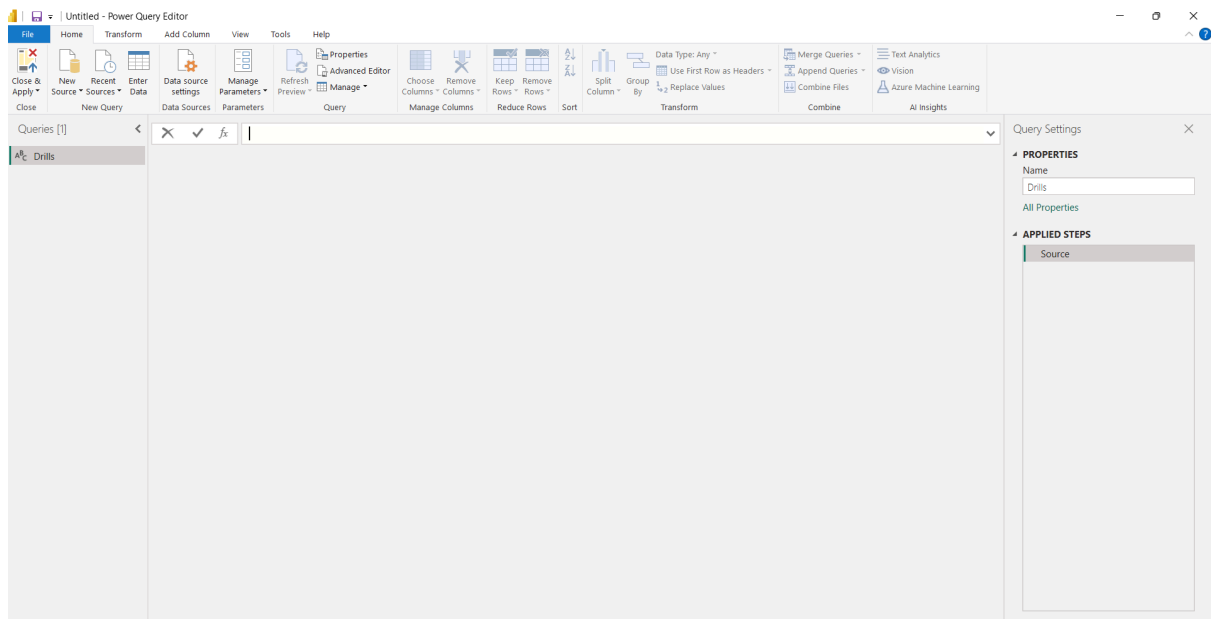
To demonstrate the basic operations using M query.

PROCEDURE:

STEP 1:

On the home tab, select Get data from a Blank Query. In the power Query editor, change the name to drills.

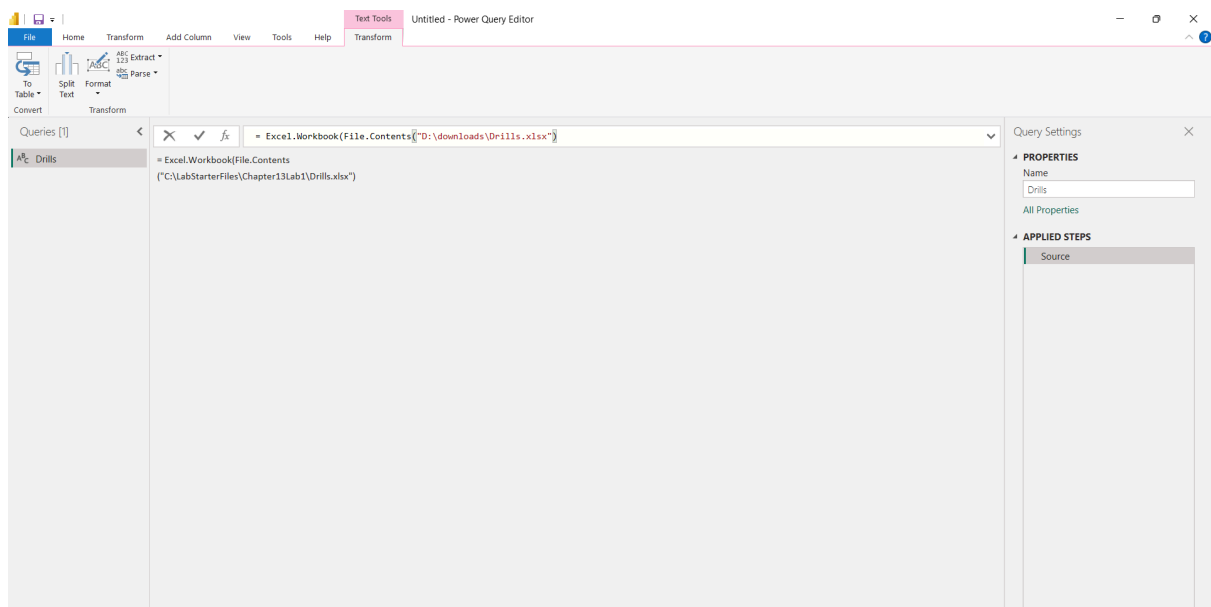


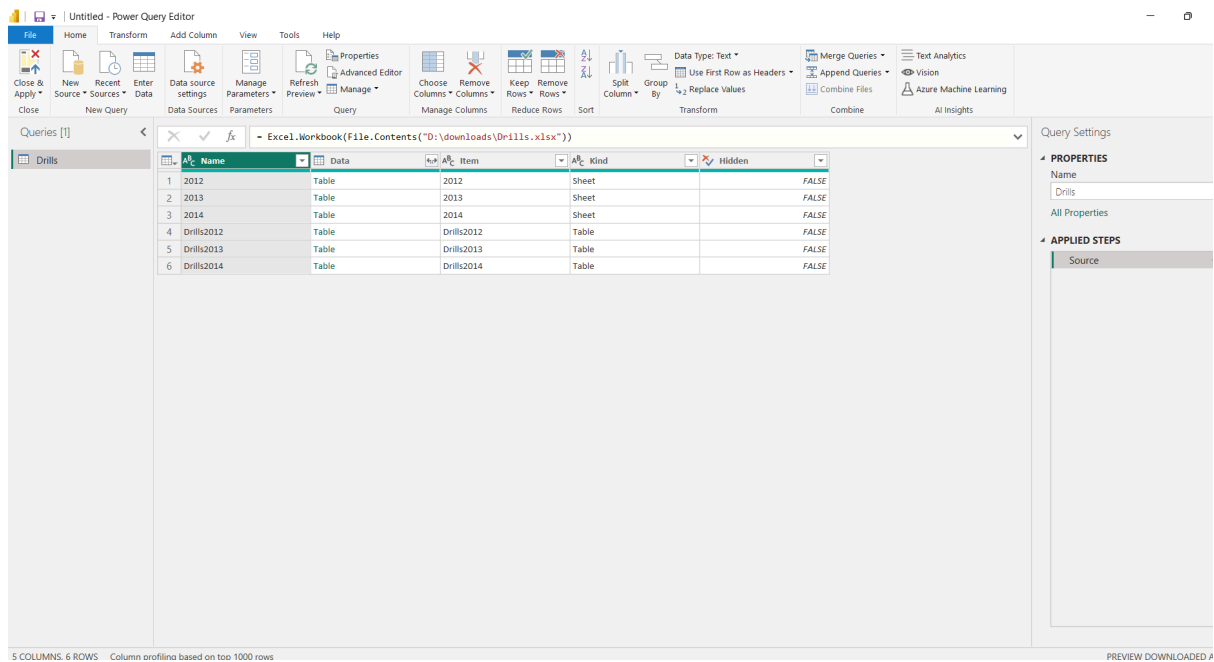


STEP 2:

In the source step, add the following code to the formula bar. Make sure you use the path to where you saved the lab files. you should see each sheet and a corresponding table in the file .

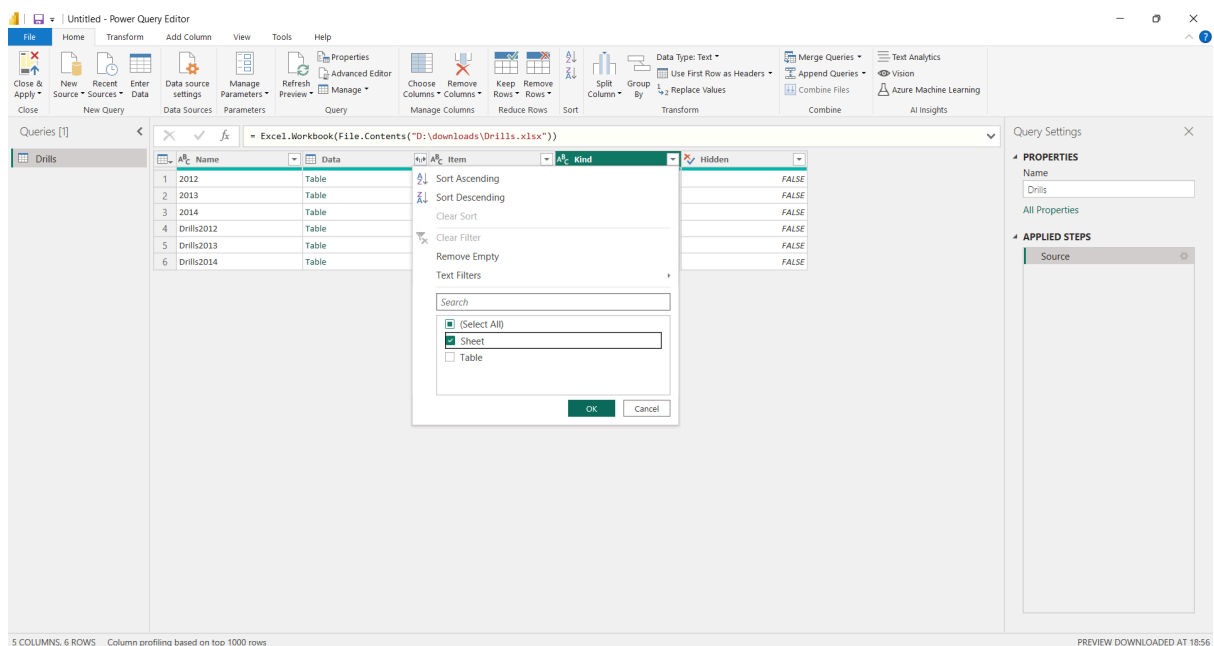
= Excel.Workbook(File.Contents ("D:\downloads\Drills.xlsx"))





STEP 3:

Filter the Kind column to only show sheets.



STEP 4:

Keep the name and the data columns and remove the rest.

Add a custom column called tablewithheaders and add the following code:

```
=Table.PromoteHeaders([Data])
```

File Home Transform Add Column View Tools Help

Close & Apply New Source Recent Sources Enter Data Data source settings Manage Parameters Refresh Preview Advanced Editor Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Text Use First Row as Headers Replace Values Merge Queries Append Queries Combine Files Text Analytics Vision Azure Machine Learning AI Insights

Queries [1] `= Table.SelectRows(Source, each ([Kind] = "Sheet"))`

	Name	Data	Item	Kind	Hidden
1	2012	Table	2012	Sheet	FALSE
2	2013	Table	2013	Sheet	FALSE
3	2014	Table	2014	Sheet	FALSE

Query Settings

PROPERTIES

Name
Drills

All Properties

APPLIED STEPS

Source
Filtered Rows

File Home Transform Add Column View Tools Help

Close & Apply New Source Recent Sources Enter Data Data source settings Manage Parameters Refresh Preview Advanced Editor Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Table Use First Row as Headers Replace Values Merge Queries Append Queries Combine Files Text Analytics Vision Azure Machine Learning AI Insights

Queries [1] `= Table.RemoveColumns(#"Filtered Rows",{"Item", "Kind", "Hidden"})`

	Name	Data
1	2012	Table
2	2013	Table
3	2014	Table

Query Settings

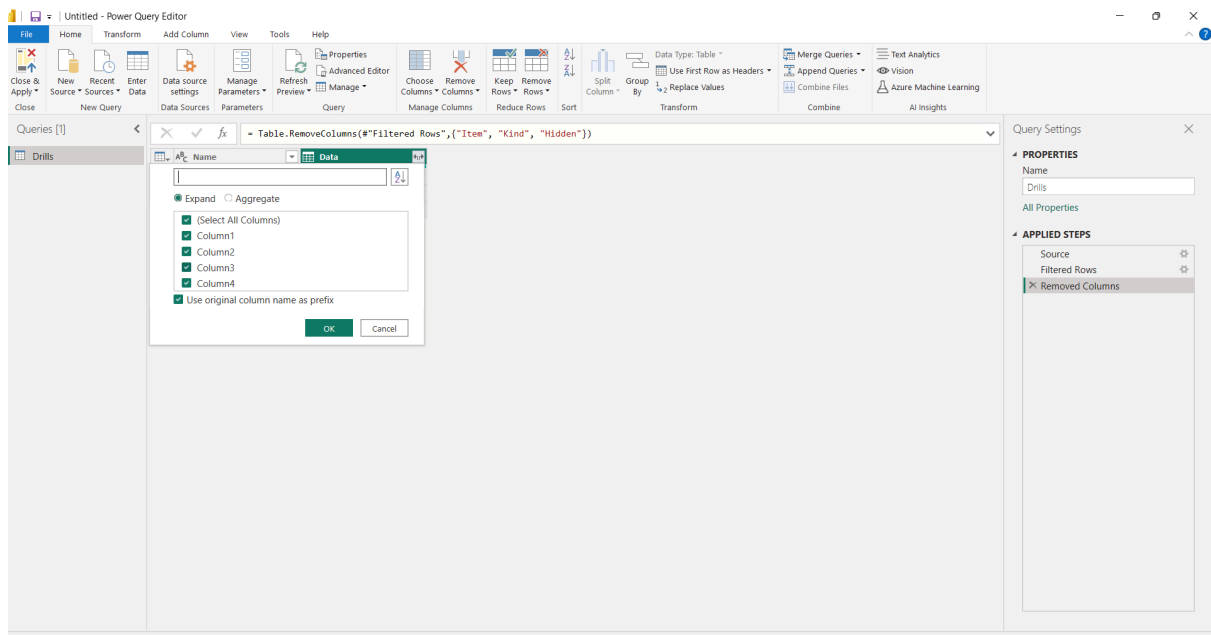
PROPERTIES

Name
Drills

All Properties

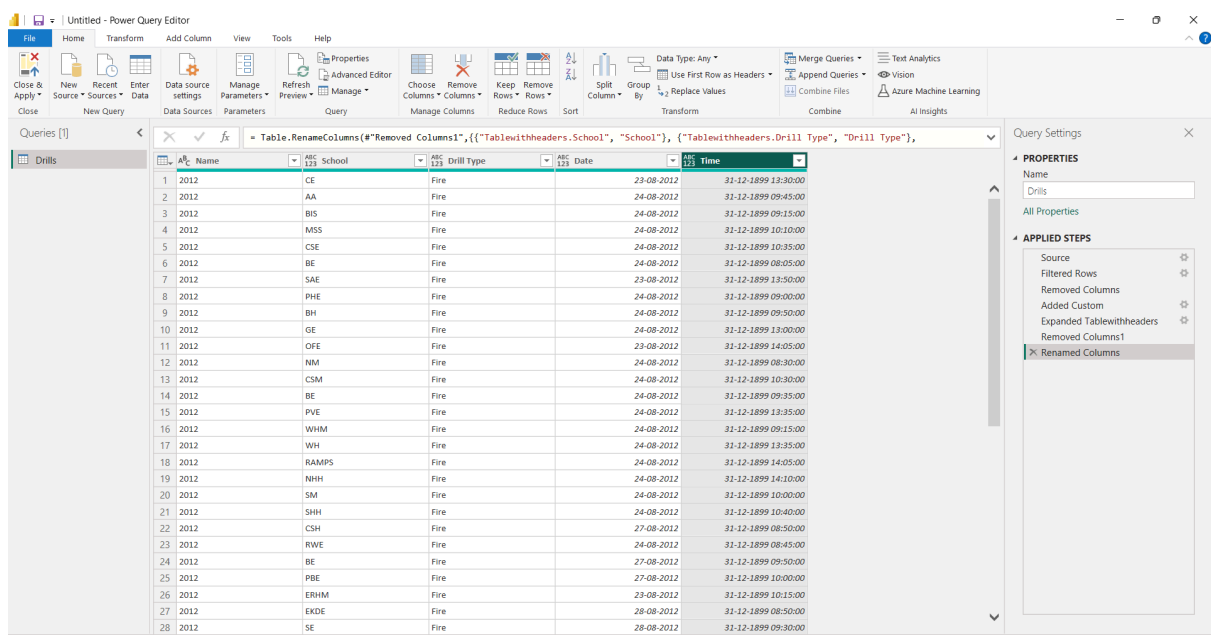
APPLIED STEPS

Source
Filtered Rows
Removed Columns



Step 5:

Remove the original data column and expand the tablewithheaders column and don't include the original column name as a prefix.



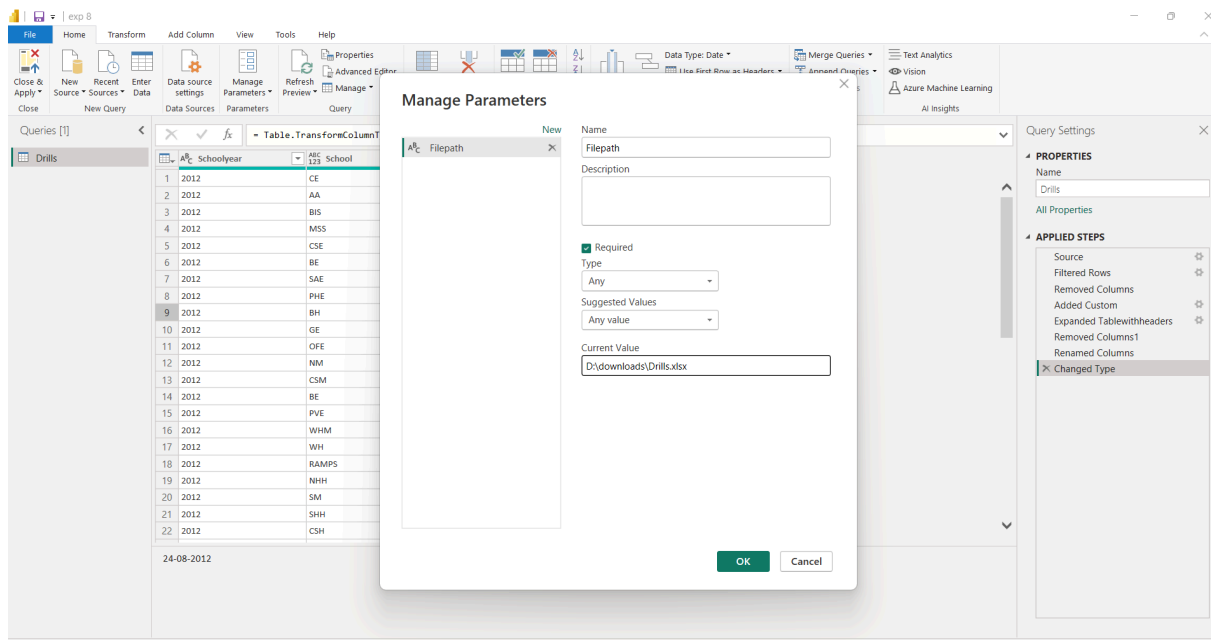
STEP 6:

Rename the name column to schoolyear and change the date and time columns' data types to date and time.

	Schoolyear	School	Drill Type	Date	Time
1	2012	CE	Fire	23-08-2012	13:30:00
2	2012	AA	Fire	24-08-2012	09:45:00
3	2012	BIS	Fire	24-08-2012	09:15:00
4	2012	MSS	Fire	24-08-2012	10:10:00
5	2012	CSE	Fire	24-08-2012	10:35:00
6	2012	BE	Fire	24-08-2012	08:05:00
7	2012	SAE	Fire	23-08-2012	13:50:00
8	2012	PHE	Fire	24-08-2012	09:00:00
9	2012	BH	Fire	24-08-2012	09:50:00
10	2012	GE	Fire	24-08-2012	13:00:00
11	2012	OFE	Fire	23-08-2012	14:05:00
12	2012	NM	Fire	24-08-2012	08:30:00
13	2012	CSM	Fire	24-08-2012	10:30:00
14	2012	BE	Fire	24-08-2012	09:35:00
15	2012	PVE	Fire	24-08-2012	13:35:00
16	2012	WHM	Fire	24-08-2012	09:15:00
17	2012	WH	Fire	24-08-2012	13:35:00
18	2012	RAMPS	Fire	24-08-2012	14:05:00
19	2012	NHH	Fire	24-08-2012	14:10:00
20	2012	SM	Fire	24-08-2012	10:00:00
21	2012	SHH	Fire	24-08-2012	10:40:00
22	2012	CSH	Fire	27-08-2012	08:50:00
23	2012	RWE	Fire	24-08-2012	08:45:00
24	2012	BE	Fire	27-08-2012	09:50:00
25	2012	PBE	Fire	27-08-2012	10:00:00
26	2012	ERHM	Fire	23-08-2012	10:15:00
27	2012	EKDE	Fire	28-08-2012	08:50:00
28	2012	SE	Fire	28-08-2012	09:30:00

Step 7:

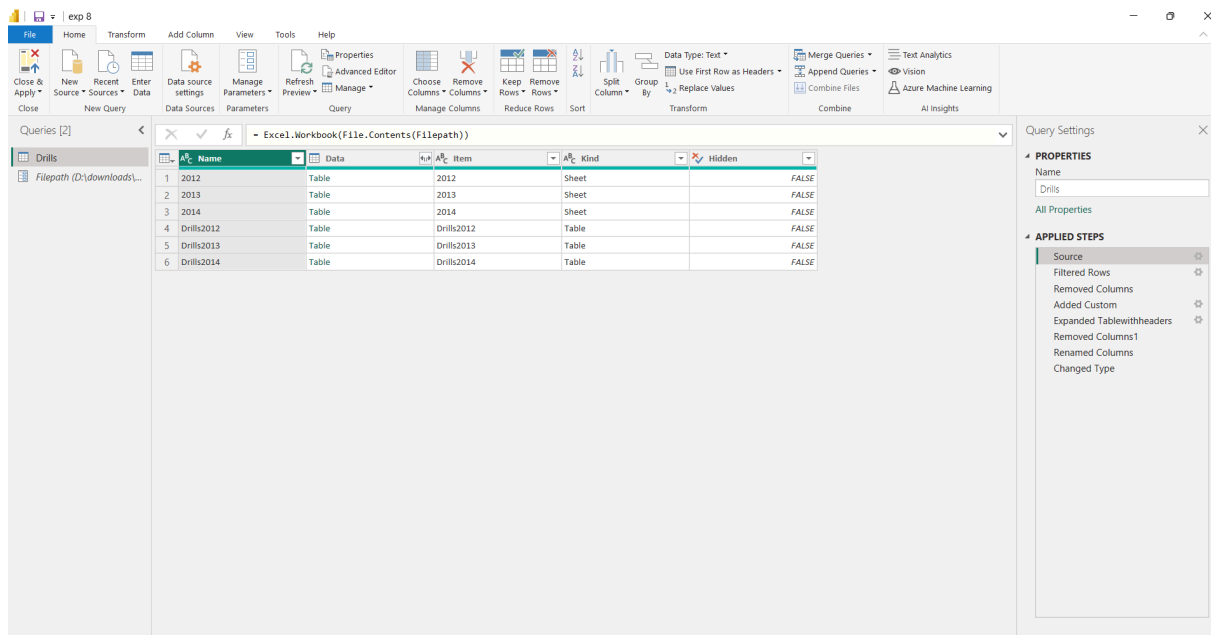
Now you want to add a parameter that allows users to easily change the path to the source file. on the home tab under the Manage parameters drop-down, select the new parameter option. add a text parameter called FilePath that has a current value that matches the file path you used in step 2.



STEP 8:

Alter the source step in the Drills query to use the FilePath variable. = Excel.Workbook(File.Contents(FilePath)) .

Select Close & apply on the home tab to close the Query editor.



COE	20	
RECORD	20	
VIVA	10	
TOTAL	50	

RESULT:

Thus the basic operations are performed using M Query in powerBI.