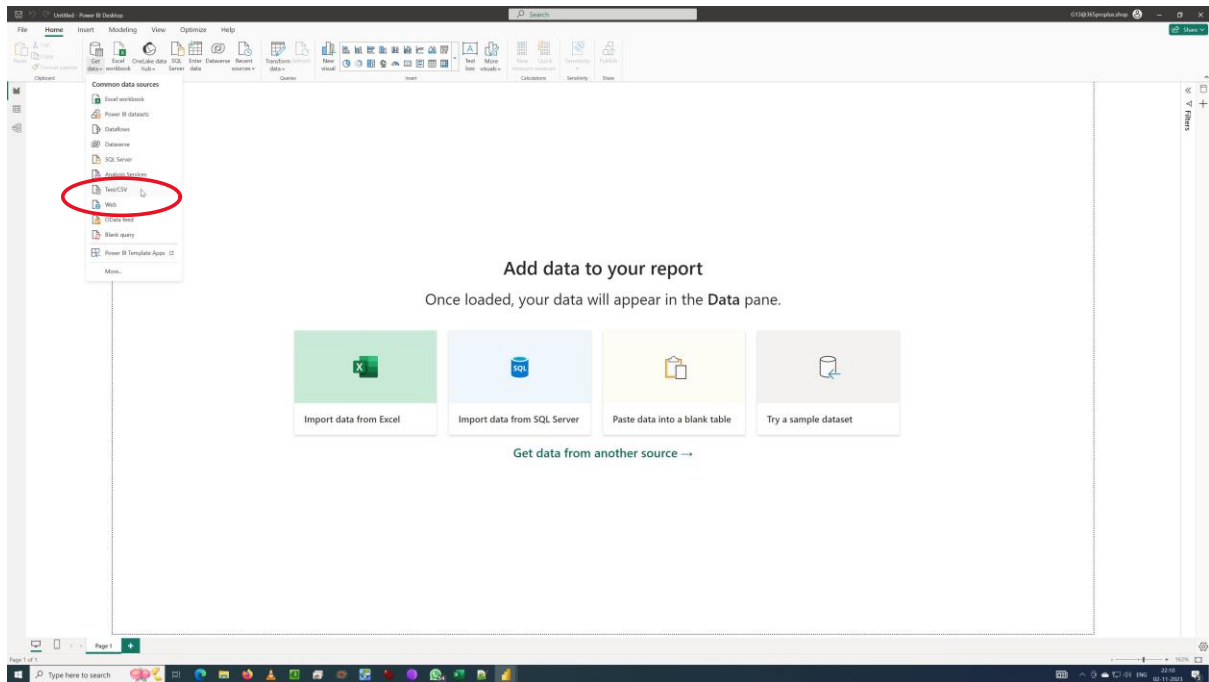


Power Query Case Study #2:

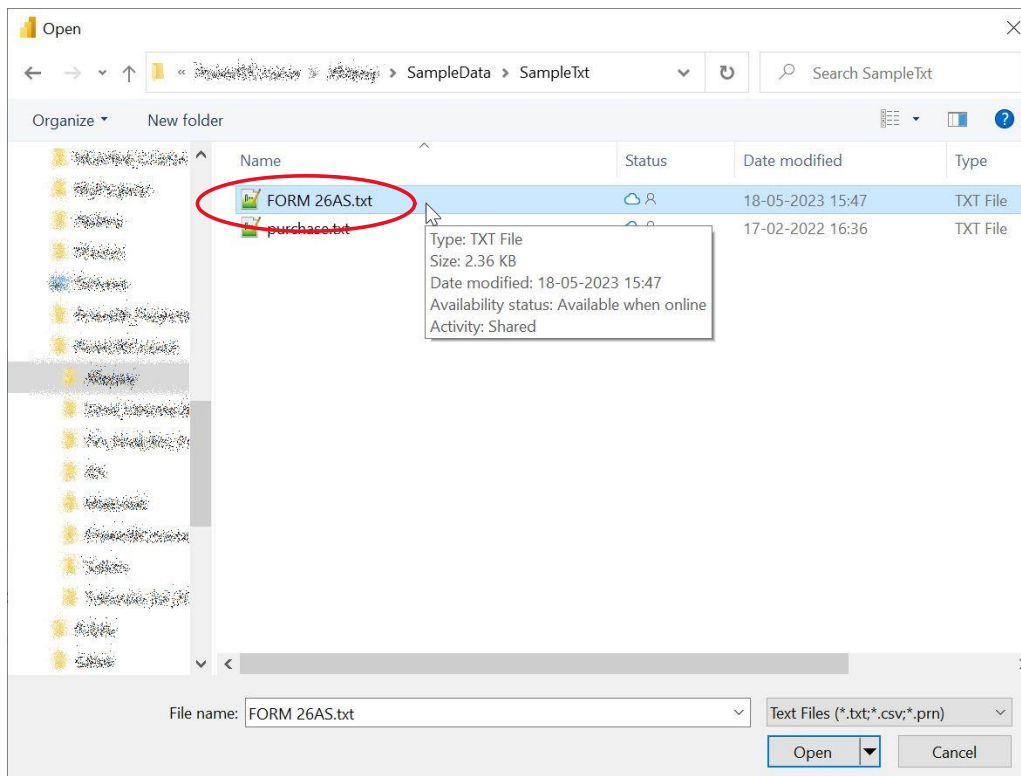
Learning Objective: Extract->Transform->Load Delimited Text Files

Sample File Location: ...\\SampleData\\SampleTxt\\FORM 26AS.txt

Step: #1 Open Power BI->Click Get Data-> Text/CSV



Step: #2 Navigate to the sample files folder and select the 'Form26AS.txt'



Step: #3 Select Transform Data option in the Extract window

FORM 26AS.txt

File Origin

Column1
^Form 26AS^
File Creation Date^Permanent Account Number (PAN)^...
15-02-2022^AADCT6551B^ACTIVE^2021-2022^2022-20...
^PART A - Details of Tax Deducted at Source^
Sr. No.^Name of Deductor^TAN of Deductor^Total...
1^PIEM HOTELS LIMITED - UNIT HOTEL TAJ VIEW AGRA...
^Sr. No.^Section^Transaction Date^Status of Booking^...
^1^194C^06-Oct-2021^F^25-Jan-2022^-^36000.00^72...
^2^194C^01-Aug-2021^F^22-Oct-2021^-^36000.00^72...
^3^194C^10-May-2021^F^26-Jul-2021^-^36000.00^72...
2^CYGNET INFOTECH PRIVATE LIMITED^AHMC01115C^...
^Sr. No.^Section^Transaction Date^Status of Booking^...
^1^194C^19-Nov-2021^F^29-Jan-2022^-^55437.00^11...
^2^194C^21-Jul-2021^F^04-Nov-2021^-^28500.00^570...
^3^194C^11-May-2021^F^27-Jul-2021^-^51570.00^10...
3^CRI LIMITED^AHMC01161G^36000.00^720.00^...

The data in the preview has been truncated due to size limits.

Extract Table Using Examples Load Transform Data Cancel

Step: #4 Power Query Editor window will be opened, and it should be like the one below:

Power Query Editor

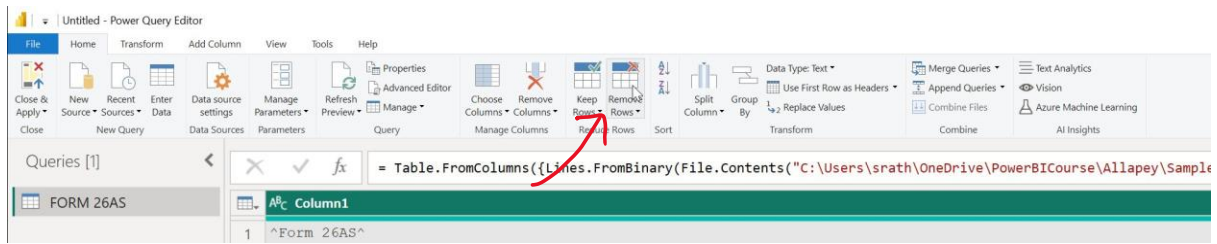
Table.FromColumns((Lines.FromBinary(File.Contents("C:\Users\srath\OneDrive\PowerBI\Course\allappes\SampleData\SampleText\FORM 26AS.txt"))))

#	Column1
1	"Form 26AS"
2	
3	File Creation Date^Permanent Account Number (PAN)^Current Status of PAN^Financial Year^Assessment Year^Name of Assessee^Address Line 1^Addre...
4	15-02-2022^AADCT6551B^ACTIVE^2021-2022^2023^ DATA CLIMATE TECHNOLOGIES PRIVATE LIMITED^POLIGIES PVT LTD^NO 180 9TH CROSS 5TH MAIN^IN...
5	
6	^PART A - Details of Tax Deducted at Source^
7	Sr. No.^Name of Deductor^TAN of Deductor^Total Amount Paid / Credited(Rs.)^Total Tax Deducted(Rs.)^Total TDS Deposited(Rs.)
8	1^PIEM HOTELS LIMITED - UNIT HOTEL TAJ VIEW AGRA^AGR10610F^108000.00^2160.00^2160.00^
9	^Sr. No.^Section^Transaction Date^Status of Booking^Date of Booking^Remarks^Amount Paid / Credited(Rs.)^Tax Deducted(Rs.)^TDS Deposited(Rs.)
10	^1^194C^06-Oct-2021^F^25-Jan-2022^-^36000.00^720.00^720.00^
11	^2^194C^01-Aug-2021^F^22-Oct-2021^-^36000.00^720.00^720.00^
12	^3^194C^10-May-2021^F^26-Jul-2021^-^36000.00^720.00^720.00^
13	
14	2^CYGNET INFOTECH PRIVATE LIMITED^AHMC01115C^135507.00^2710.00^2710.00^
15	^Sr. No.^Section^Transaction Date^Status of Booking^Date of Booking^Remarks^Amount Paid / Credited(Rs.)^Tax Deducted(Rs.)^TDS Deposited(Rs.)
16	^1^194C^19-Nov-2021^F^29-Jan-2022^-^55437.00^1109.00^1109.00^
17	^2^194C^21-Jul-2021^F^04-Nov-2021^-^28500.00^570.00^570.00^
18	^3^194C^11-May-2021^F^27-Jul-2021^-^51570.00^1031.00^1031.00^
19	
20	3^CRI LIMITED^AHMC01161G^36000.00^720.00^720.00^
21	^Sr. No.^Section^Transaction Date^Status of Booking^Date of Booking^Remarks^Amount Paid / Credited(Rs.)^Tax Deducted(Rs.)^TDS Deposited(Rs.)
22	^1^194C^30-Sep-2021^F^23-Oct-2021^-^36000.00^720.00^720.00^
23	
24	4^INTAS PHARMACEUTICALS LIMITED^AHM100350A^20000.00^400.00^400.00^
25	^Sr. No.^Section^Transaction Date^Status of Booking^Date of Booking^Remarks^Amount Paid / Credited(Rs.)^Tax Deducted(Rs.)^TDS Deposited(Rs.)
26	^1^194C^15-Dec-2021^F^02-Feb-2022^-^20000.00^400.00^400.00^
27	
28	5^MAGAYANI HOTELS AND RESORTS LIMITED^AHM000497E^357147.00^7148.00^7148.00^
29	^Sr. No.^Section^Transaction Date^Status of Booking^Date of Booking^Remarks^Amount Paid / Credited(Rs.)^Tax Deducted(Rs.)^TDS Deposited(Rs.)
30	^1^194C^30-Sep-2021^F^07-Nov-2021^-^103469.00^2069.00^2069.00^
31	^2^194C^11-Jun-2021^F^04-Aug-2021^-^103469.00^2069.00^2069.00^
32	^3^194C^18-May-2021^F^04-Aug-2021^-^103469.00^2069.00^2069.00^
33	^4^194C^18-May-2021^F^04-Aug-2021^-^47681.00^941.00^941.00^

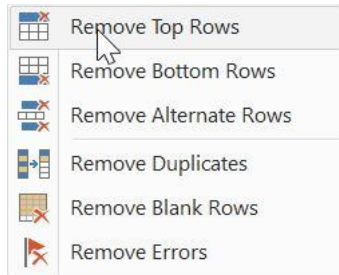
1 COLUMN, 33 ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 22:13

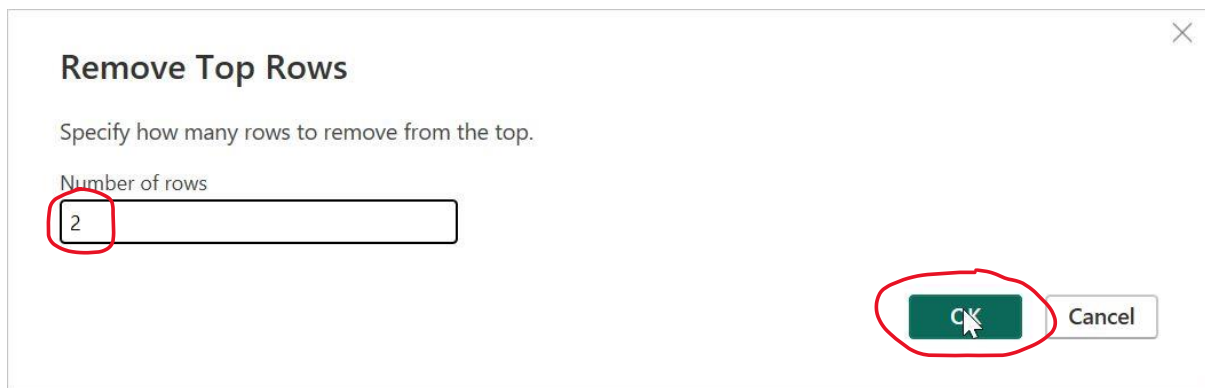
Step: #5 We must remove the top 2 rows. Go to Home->Remove Rows



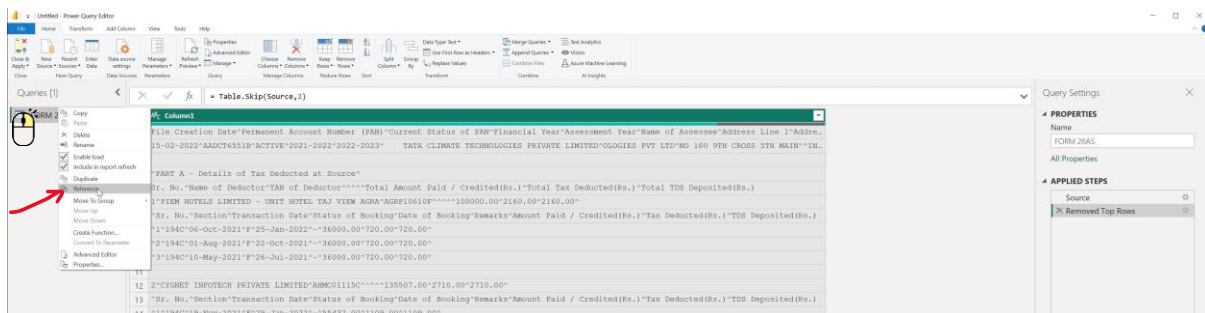
Step: #6 Select Remove Top Rows



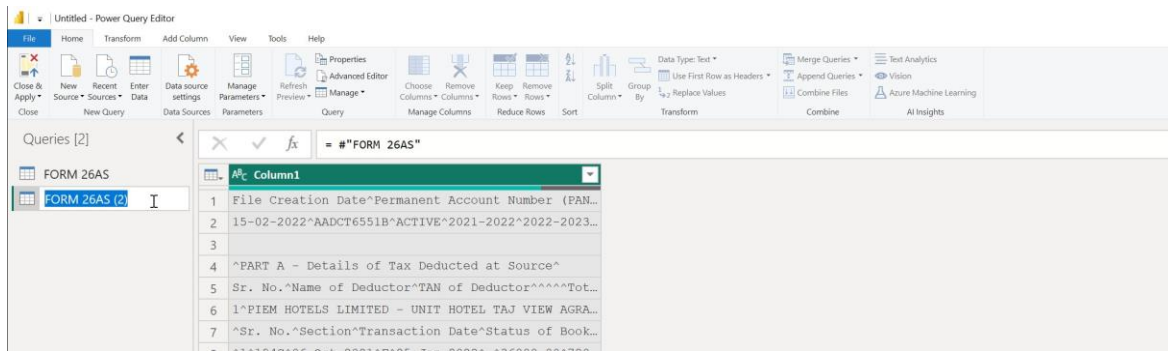
Step: #7 Enter number 2 in the textbox and click Ok



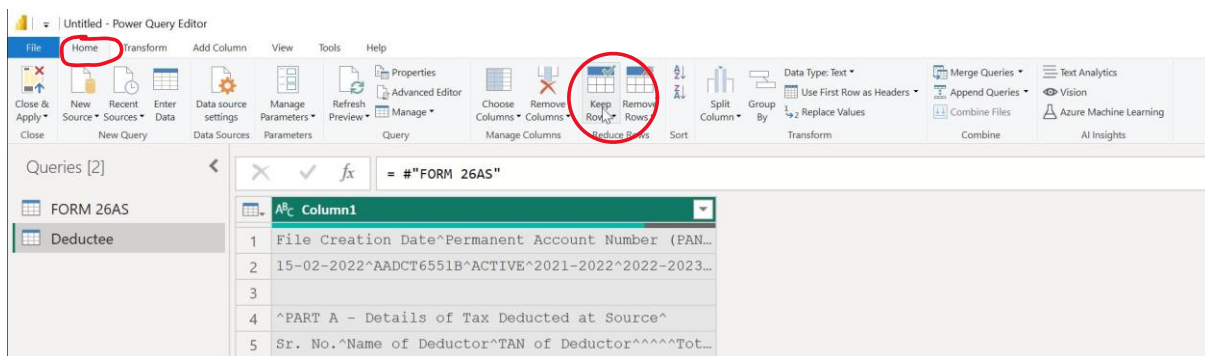
Step: #8 Make a Reference Query: Right Click on 'FORM 26AS' query and select Reference



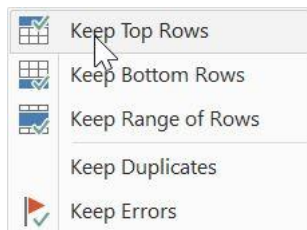
Step: #9 Double Click on the name of the second query and rename to Deductee



Step: #10 Click Home menu -> Keep Rows



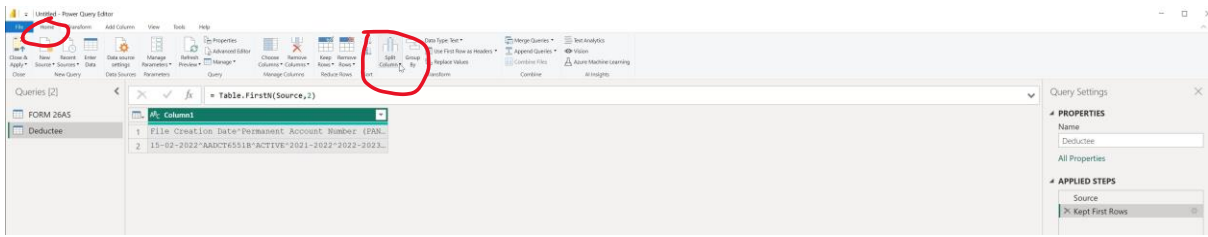
Step: #11 Select Keep Top Rows



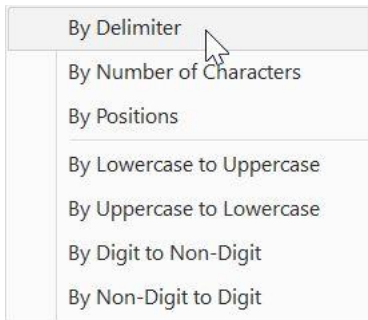
Step: #12 Enter number 2 in the textbox and click Ok



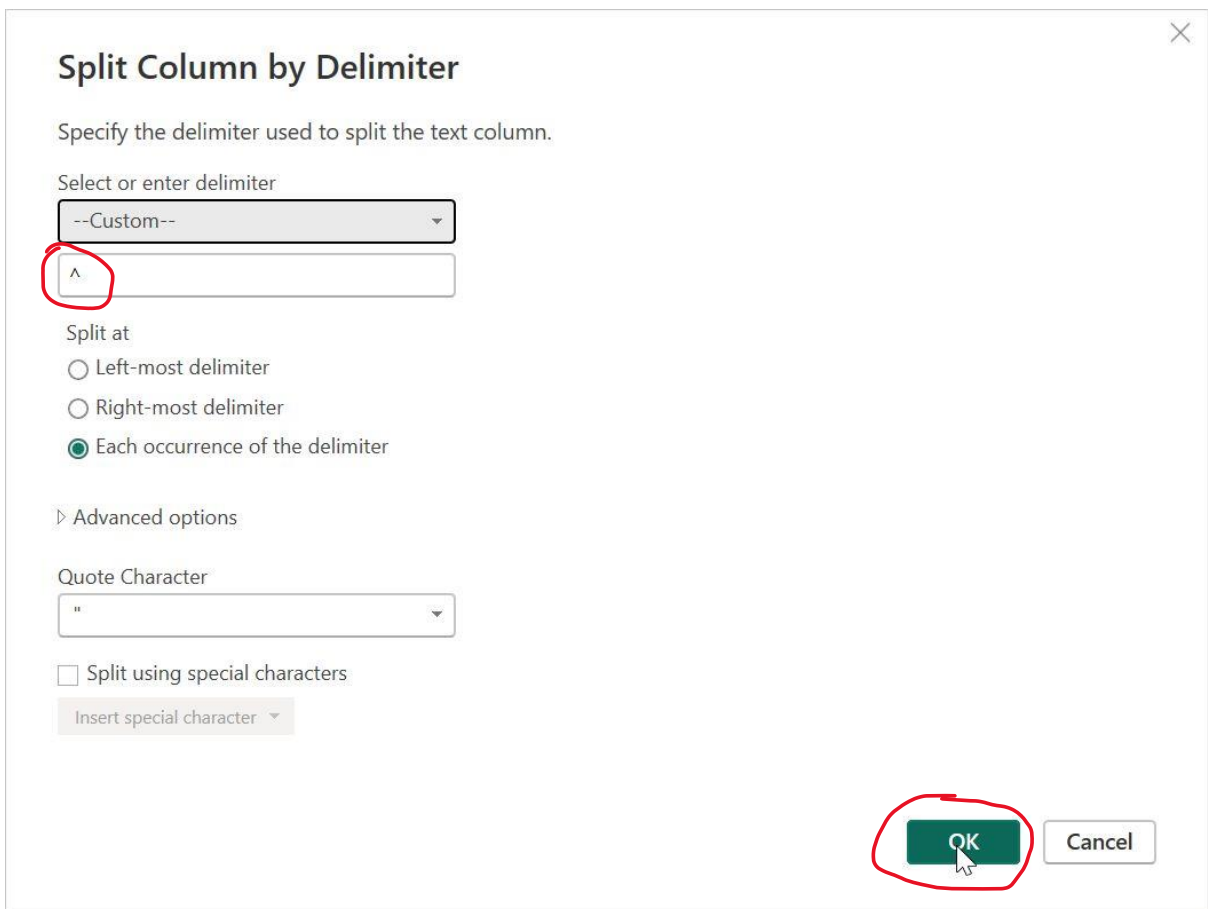
Step: #13 Click Split Column option in the Home Menu



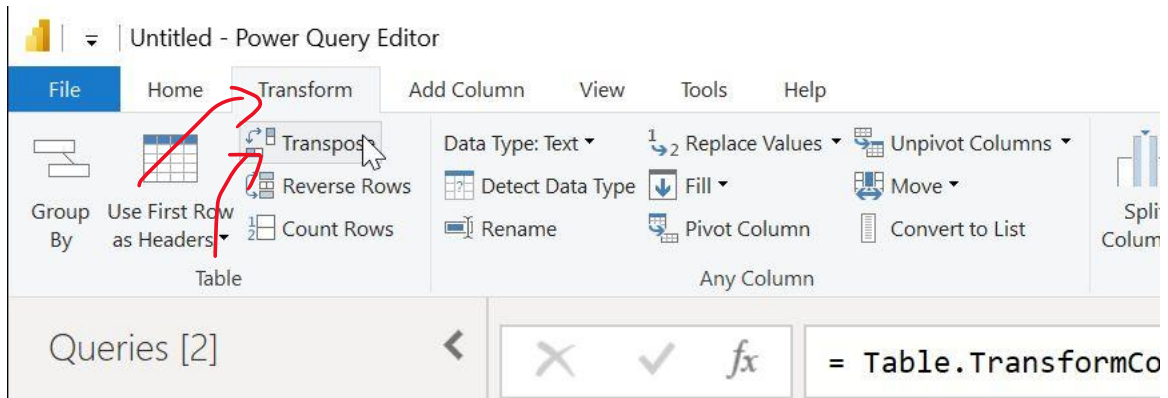
Step: #14 Select By Delimiter



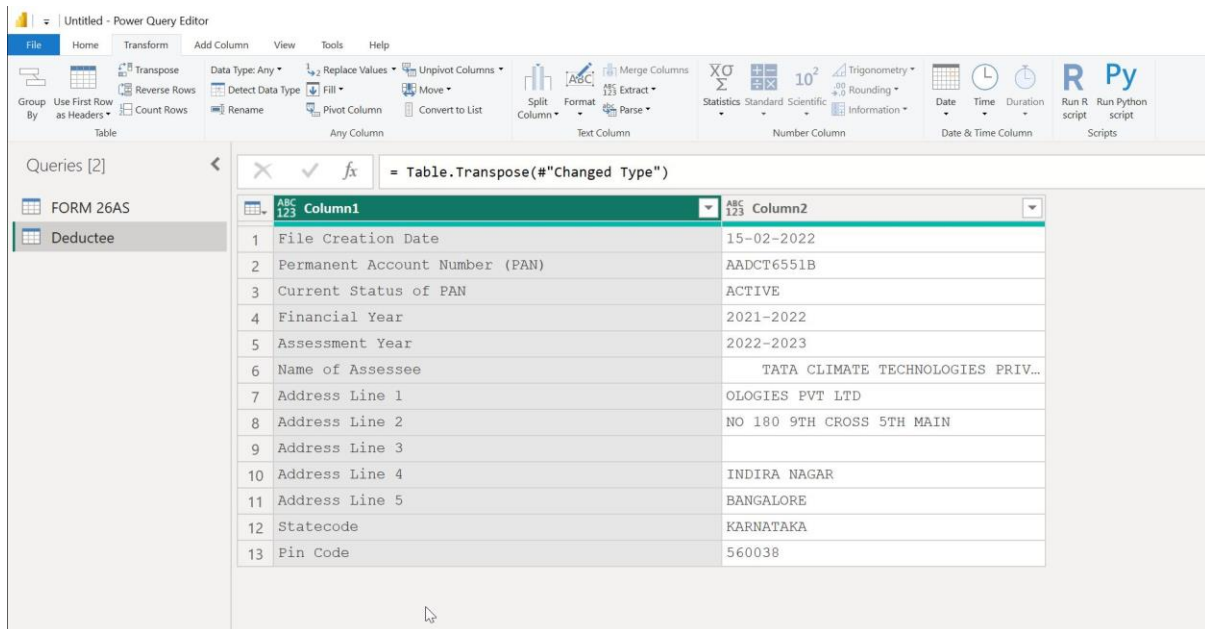
Step: #15 Confirm that the delimiter is “^” and click Ok.



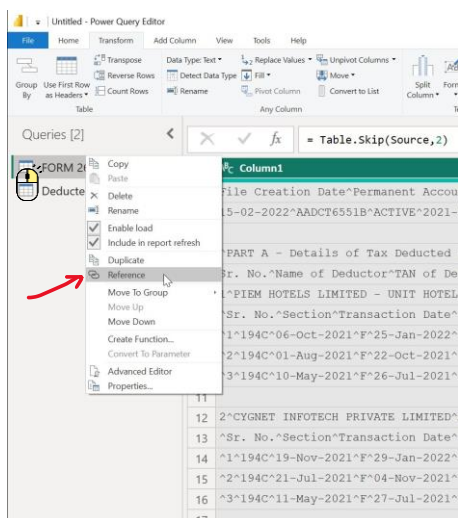
Step: #16 Click Transform Menu and Transpose Tool Button



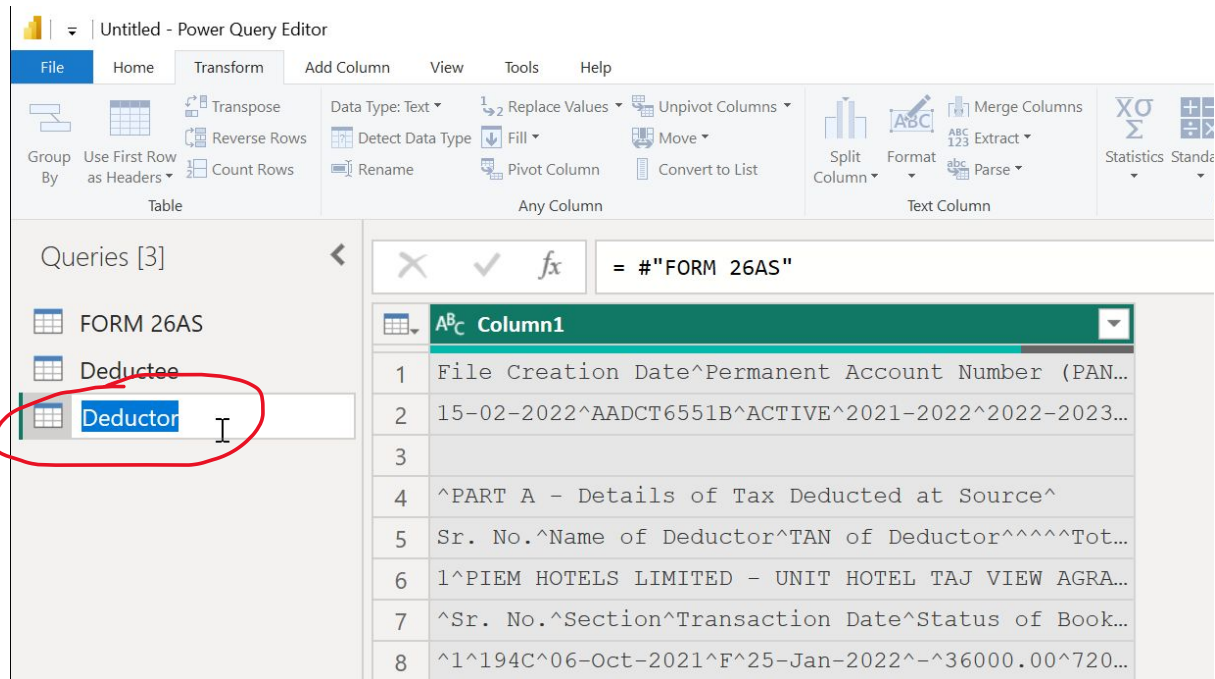
Step: #17 Deductee Query should look like this



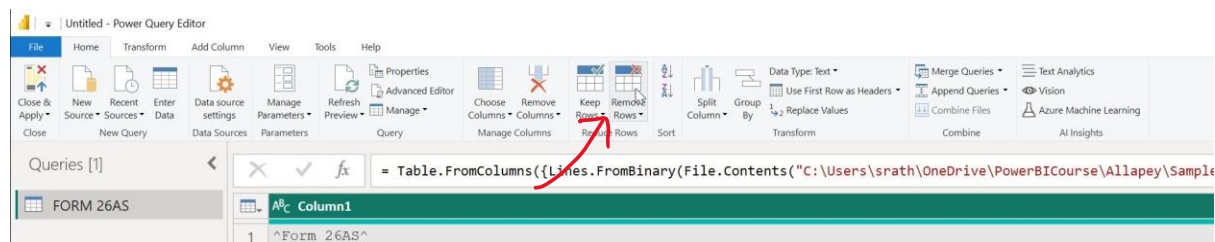
Step: #18 Again Right Click on original base query "FORM 26AS" and Select Reference



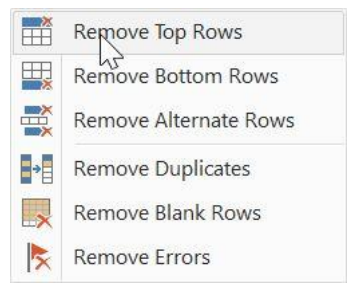
Step: #19 Double Click on the new query and rename the same as “Deductor”



Step: #20 We have to remove the top 4 rows. Go to Home->Remove Rows



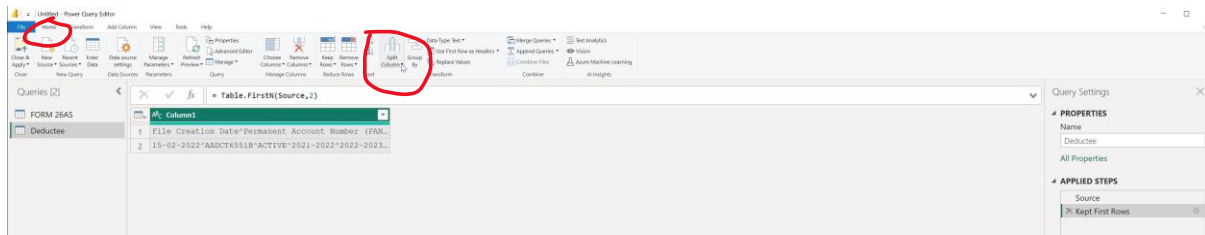
Step: #21 Select Remove Top Rows



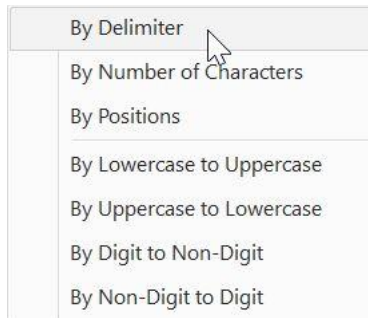
Step: #22 Enter number 4 in the textbox and click Ok



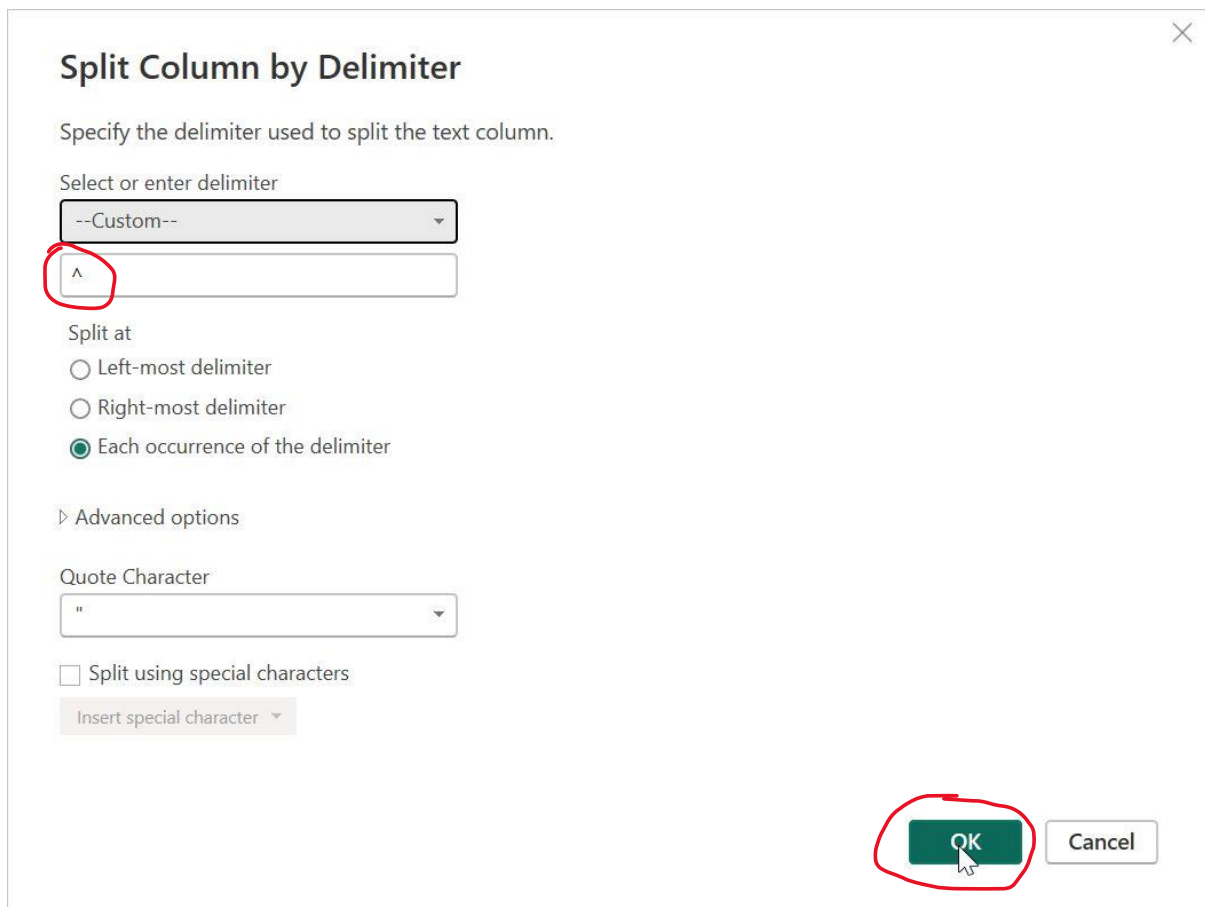
Step: #23 Click Split Column option in the Home Menu



Step: #24 Select By Delimiter



Step: #25 Confirm that the delimiter is “^” and click Ok.



Step: #26 Deductor Query should be like this

Sr. No.	Name of Deductor	Section	Transaction Date	Status of Booking	Date of Booking	Remarks	Amount Paid / C
1	PIEM HOTELS LIMITED - UNIT HOTEL T...	AGR10610F					108000.00
2							
3							
4							
5							
6							
7							
8	CYGNET INFOTECH PRIVATE LIMITED	AHMC01115C					135507.00
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							

Step: #27 Go to Transform Menu and click Use First Row as Headers to promote the headers

Sr. No.	Name of Deductor	TAN of Deduct
1	PIEM HOTELS LIMITED - UNIT HOTEL T...	AGR10610F
3	Sr. No.	Section
4	1	194C
5	2	194C

Step: #28 Go to Add Column Menu and click Conditional Column

Sr. No.	Name of Deductor	TAN of Deductor	Int64.Type
1	PIEM HOTELS LIMITED - UNIT HOTEL T...	AGR10610F	
2	1	Section	Tra
3	1	194C	06-
4	2	194C	01-
5	3	194C	10-
6	1	194C	10-
7	2	AHMC01115C	
8	1	Section	Tra
9	1	194C	19-

Step: #29 Enter the condition as in the screenshot below:

- Enter New Column Name as **DeductorName**
- If **Sr.No.** equals **null** output is **null** (note the null in lowercase)
- In the else clause click on the dropdown and select 'Select Column'

Add Conditional Column

Add a conditional column that is computed from the other columns or values.

New column name
DeductorName

a

b

	Column Name	Operator	Value	Output
If	Sr. No.	equals	ABC 123 null	ABC 123 null

Add Clause

c

Else

- ABC 123 Enter a value
- ABC 123 Select a column
- Parameter

OK Cancel

Step: #30 In the combobox select 'Name of Deductor'

Sr. No.

Name of Deductor

TAN of Deductor

_1

_2

_3

Total Amount Paid / Credited(Rs.)

Total Tax Deducted(Rs.)

Total TDS Deposited(Rs.)

Column11

Step: #31 Ensure that the Add Conditional Column window looks like this and Click Ok.

Add Conditional Column

Add a conditional column that is computed from the other columns or values.

New column name
DeductorName

	Column Name	Operator	Value	Output
If	Sr. No.	equals	ABC 123 null	ABC 123 null

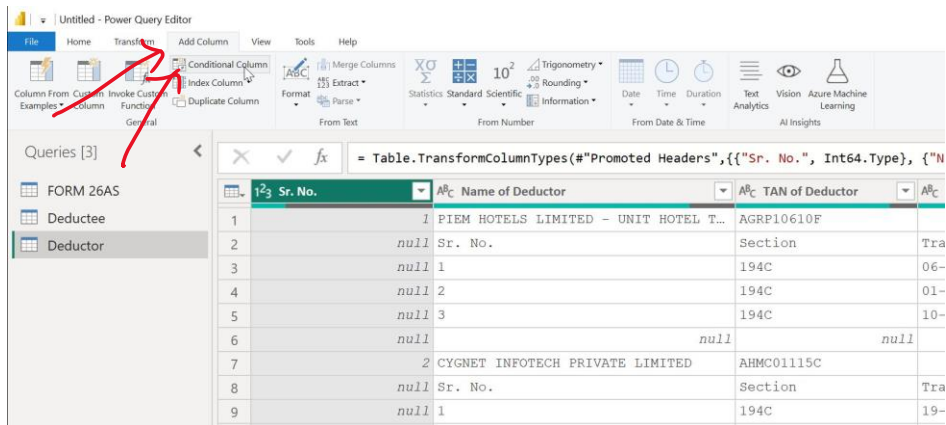
Add Clause

Else

Name of Deductor

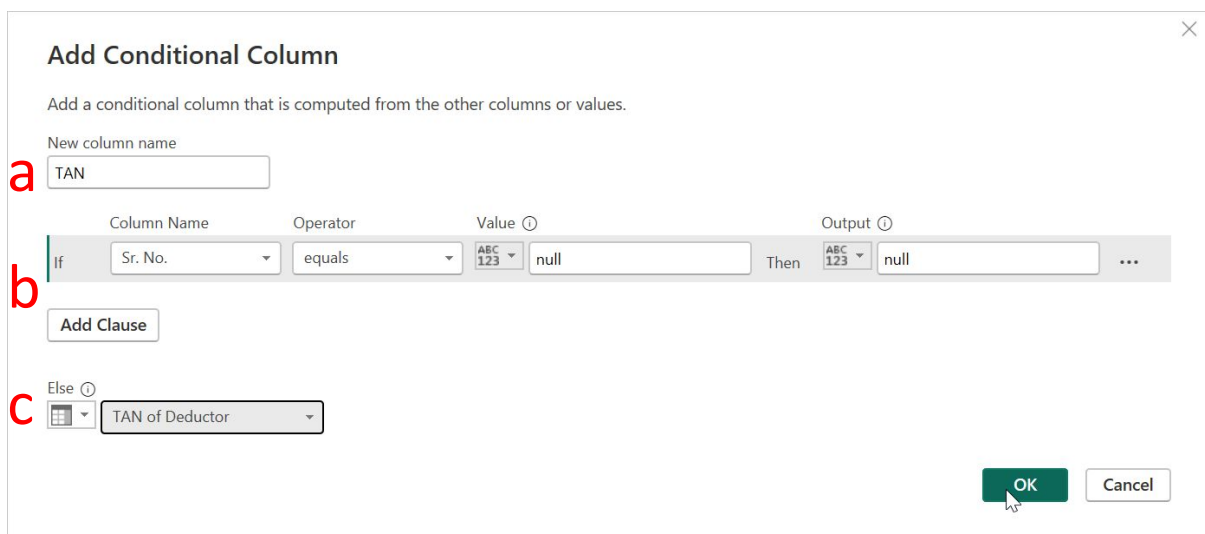
OK Cancel

Step: #32 Again Go to Add Column Menu and click Conditional Column

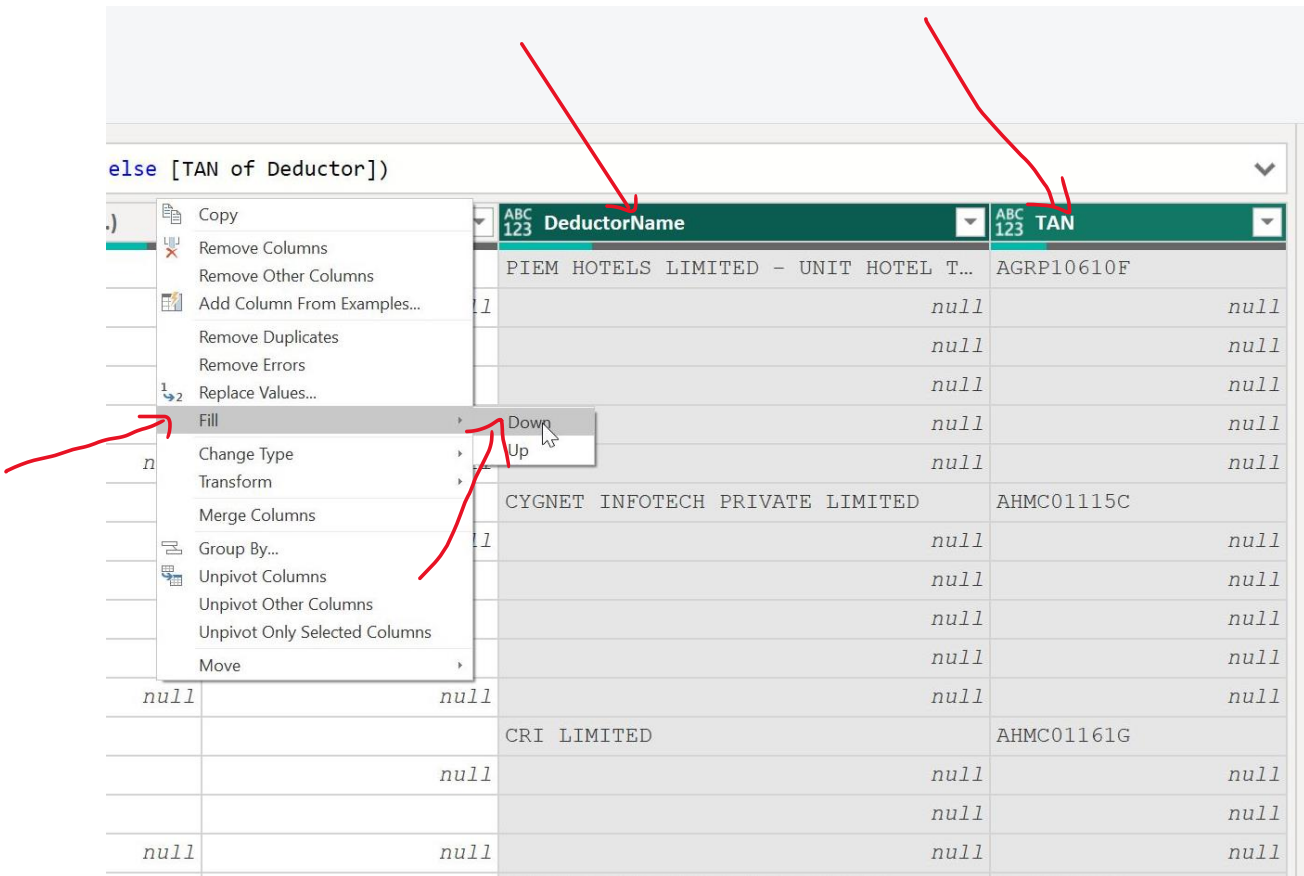


Step: #33 Enter the condition as in the screenshot below and click Ok:

- a. Enter New Column Name as **TAN**
- b. If **Sr.No.** equals **null** output is **null** (note the null in lowercase)
- c. In the else clause click on the dropdown and select 'Select Column' and select TAN of Deductor



Step: #34 Scroll to right end and select both DeductorName and TAN columns; right click and select Fill->Down as below



Step: #35 DeductorName and TAN should be filled like this

The screenshot shows the same data table after the 'Fill' operation. The 'DeductorName' and 'TAN' columns are now filled with the values from the rows above, repeating the same text for the rows that were previously null.

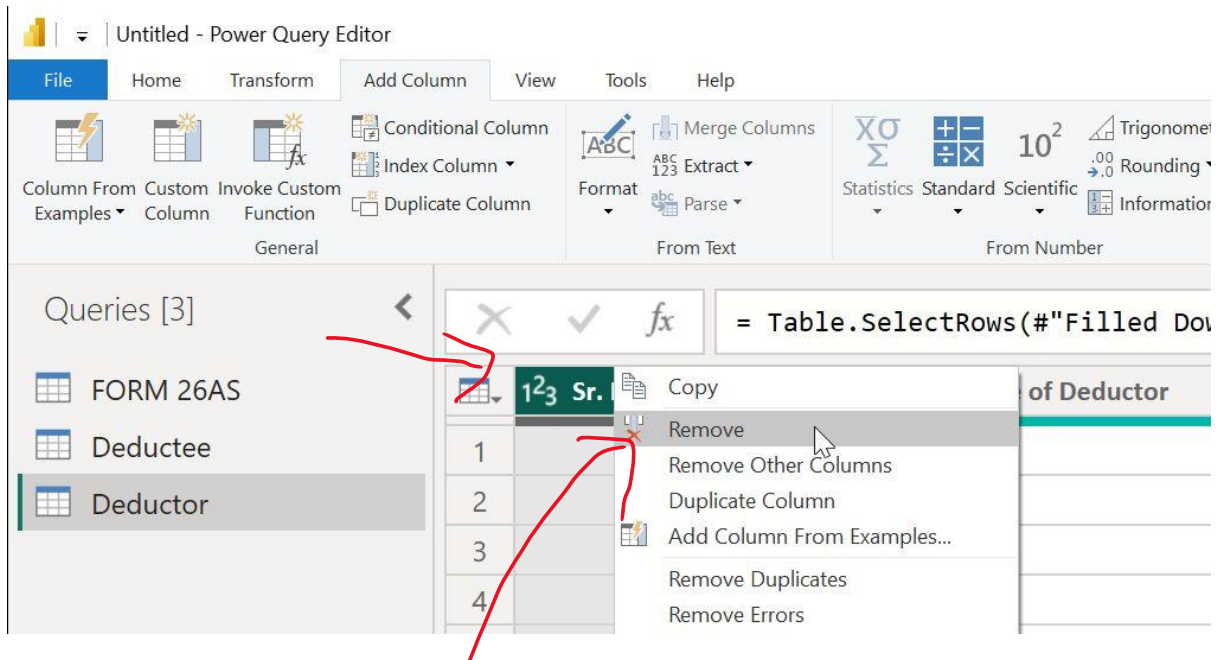
ABC 123	DeductorName	ABC 123	TAN
	PIEM HOTELS LIMITED - UNIT HOTEL T...		AGRP10610F
null	PIEM HOTELS LIMITED - UNIT HOTEL T...		AGRP10610F
	PIEM HOTELS LIMITED - UNIT HOTEL T...		AGRP10610F
	PIEM HOTELS LIMITED - UNIT HOTEL T...		AGRP10610F
	PIEM HOTELS LIMITED - UNIT HOTEL T...		AGRP10610F
null	PIEM HOTELS LIMITED - UNIT HOTEL T...		AGRP10610F
	CYGNET INFOTECH PRIVATE LIMITED		AHMC01115C
null	CYGNET INFOTECH PRIVATE LIMITED		AHMC01115C
	CYGNET INFOTECH PRIVATE LIMITED		AHMC01115C
	CYGNET INFOTECH PRIVATE LIMITED		AHMC01115C
	CYGNET INFOTECH PRIVATE LIMITED		AHMC01115C
null	CYGNET INFOTECH PRIVATE LIMITED		AHMC01115C
	CRI LIMITED		AHMC01161G
null	CRI LIMITED		AHMC01161G
	CRI LIMITED		AHMC01161G

Step: #36 Scroll to the left and click filter button on Sr.No. column and select like this to eliminate outer table data

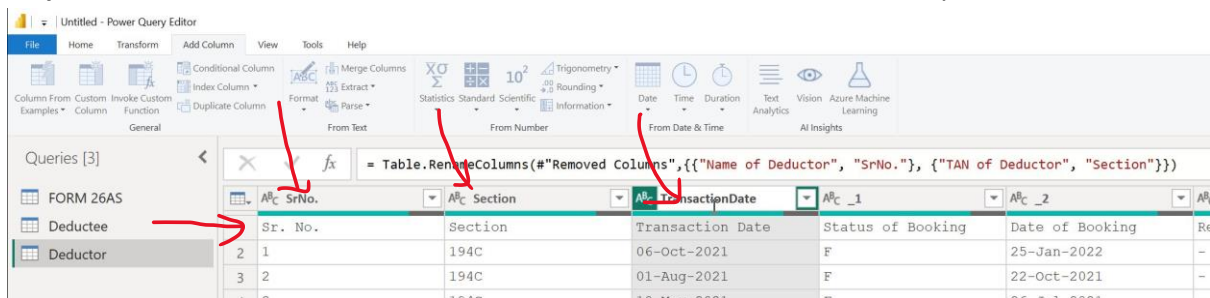
The screenshot shows the Power Query Editor interface. The ribbon includes 'File', 'Home', 'Transform', 'Add Column', 'View', 'Tools', and 'Help'. The 'Add Column' ribbon is active, showing options like 'Conditional Column', 'Index Column', and 'Duplicate Column'. The 'Tools' ribbon shows 'Format', 'Merge Columns', 'Extract', and 'Parse'. The 'View' ribbon shows 'Statistics', 'Standard', 'Scientific', 'Rounding', and 'Information'. The 'Queries [3]' pane shows 'FORM 26AS'. The main area displays a table with columns 'Sr. No.' and 'Name of Deductor'. A filter dialog box is open for the 'Sr. No.' column, showing a search bar and a list of values to filter. The '(null)' value is selected, and the 'Search' bar is also highlighted. The table data includes rows for 'PIEM HOTELS LIMITED', 'CYGNET INFOTECH PRIV', 'CRI LIMITED', and 'INTAS PHARMACEUTICAI', each with a 'Sr. No.' value of 1, 2, 3, and 1 respectively. There are also rows with 'null' values for 'Sr. No.'.

Sr. No.	Name of Deductor
1	PIEM HOTELS LIMITED
2	Sr. No.
3	
1	CYGNET INFOTECH PRIV
2	Sr. No.
3	
1	CRI LIMITED
2	Sr. No.
3	
1	INTAS PHARMACEUTICAI
19	null
20	null

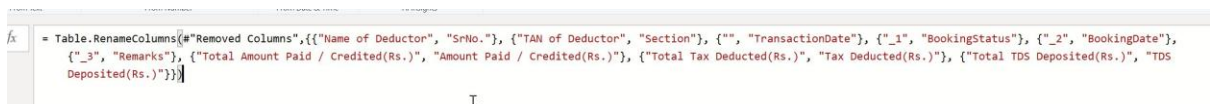
Step: #37 Right click on first column Sr.No. and Remove that column since it is also from outer table data



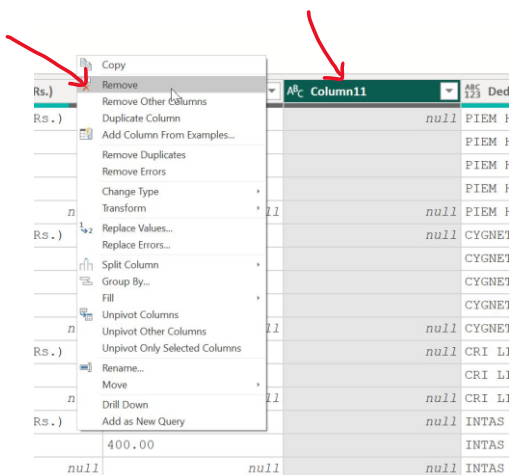
Step: #38 Rename all the columns with the headers from the first row manually like this:



Step: #39 See how the columns are renamed from the formula bar



Step: #40 Right Click Column 11 (which is empty) and Remove Column



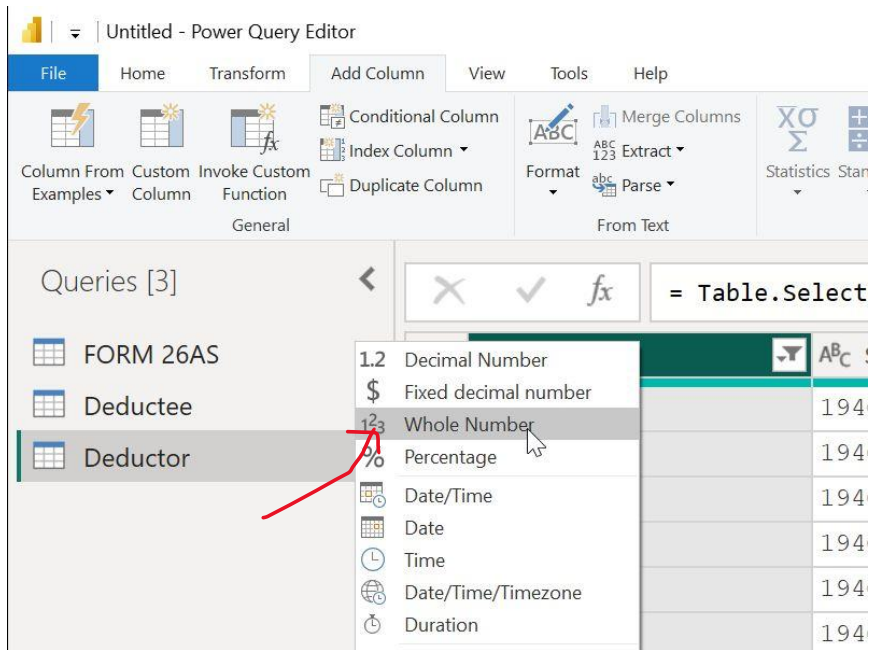
Step: #41 Select the filter button of SrNo. Column (first column) and deselect SrNo. and null

The screenshot shows the Power Query Editor interface. A filter dialog box is open for the 'SrNo.' column. The dialog includes options for sorting, clearing filters, and text filtering. Under the 'Text Filters' section, a list of values is shown: '(Select All)', '(null)', '1', '2', '3', '4', and 'Sr. No.'. The checkboxes for '(null)', '1', '2', '3', and '4' are checked, while the checkbox for 'Sr. No.' is unchecked. The background table has columns 'Section' and 'Transaction Date' with various values including '194C' and 'null'.

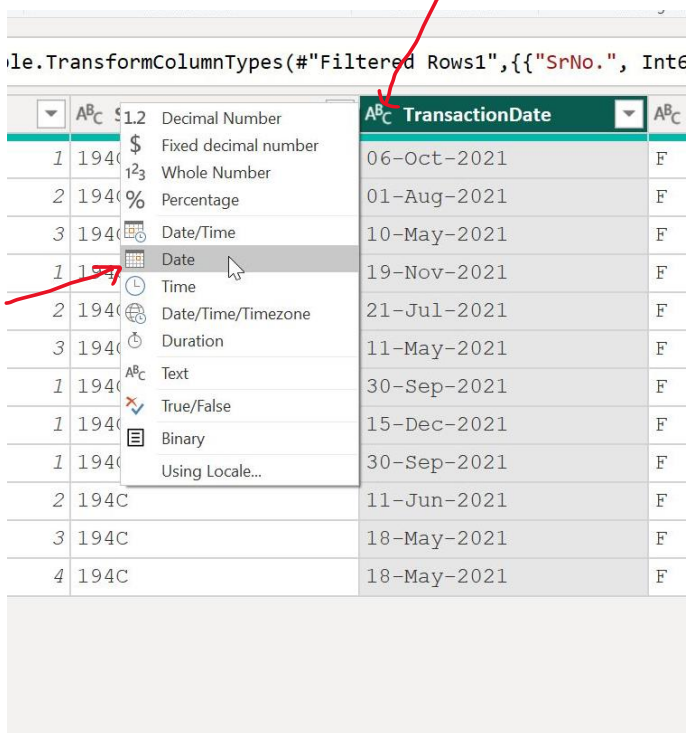
Step: #42 Click on the ABC button of SrNo. column

The screenshot shows the Power Query Editor interface. The 'SrNo.' column is selected, and the 'ABC' button (Sort Ascending) is highlighted with a red arrow. The background table has columns 'SrNo.' and '194C' with values 1, 2, 3, 4, 5, and 6.

Step: #43 Select Whole Number



Step: #44 Likewise for the columns – TransactionDate and BookingDate format as Date



Step: #45 For Currency columns, we can select Fixed Decimal

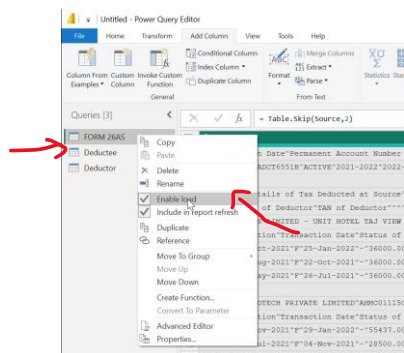
1.2	Decimal Number	ABC	Remarks	ABC	Amount Paid / Credited(Rs.)	ABC	Tax Deducted
	Fixed decimal number		-		36000.00		720.00
	Whole Number		-		36000.00		720.00
	Percentage		-		36000.00		720.00
	Date/Time		-		36000.00		720.00
	Date		-		55437.00		1109.00
	Time		-		28500.00		570.00
	Date/Time/Timezone		-		51570.00		1031.00
	Duration		-		36000.00		720.00
	Text		-		20000.00		400.00
	True/False		-		103469.00		2069.00
	Binary		-		103469.00		2069.00
	Using Locale...		-		103469.00		2069.00
			-		47040.00		941.00

Step: #46 No column should be left as ABC123 (which is unknown) Make the text columns as ABC

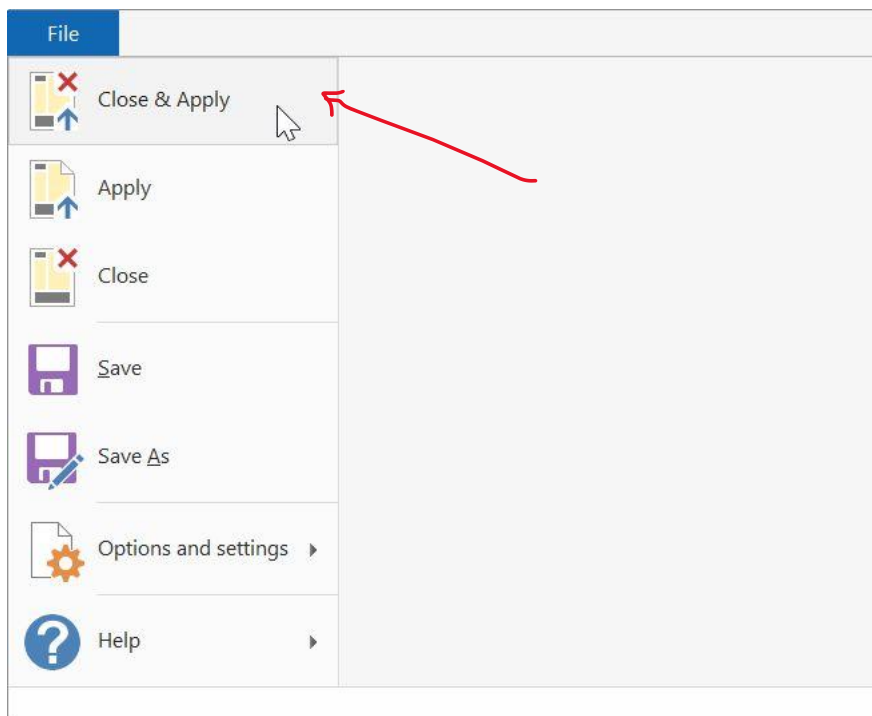
TransactionDate", type date}, {"BookingDate", type date}, {"Amount Paid / Credited(Rs.)", Cur

\$	Tax	1.2	Decimal Number	TDS Deposited(Rs.)	ABC	DeductorName	AI
		Fixed decimal number		720.00	123	PIEM HOTELS LIMITED - UNIT HOTEL T...	A
		Whole Number		720.00		PIEM HOTELS LIMITED - UNIT HOTEL T...	A
		Percentage		720.00		PIEM HOTELS LIMITED - UNIT HOTEL T...	A
		Date/Time		720.00		PIEM HOTELS LIMITED - UNIT HOTEL T...	A
		Date		1,109.00		CYGNET INFOTECH PRIVATE LIMITED	A
		Time		570.00		CYGNET INFOTECH PRIVATE LIMITED	A
		Date/Time/Timezone		1,031.00		CYGNET INFOTECH PRIVATE LIMITED	A
		Duration		720.00		CRI LIMITED	A
		Text		400.00		INTAS PHARMACEUTICALS LIMITED	A
		True/False		2,069.00		NARAYANI HOTELS AND RESORTS LIMITED	A
		Binary		2,069.00		NARAYANI HOTELS AND RESORTS LIMITED	A
		Using Locale...		2,069.00		NARAYANI HOTELS AND RESORTS LIMITED	A

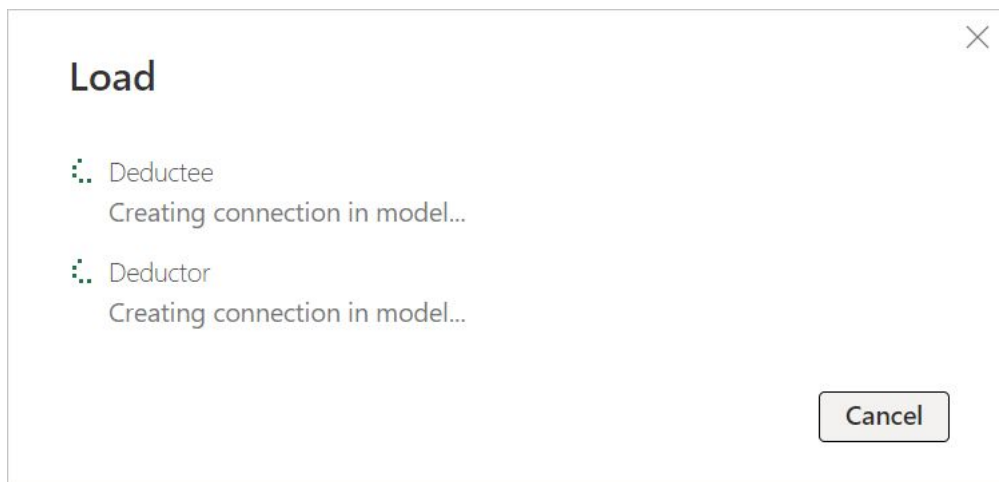
Step: #47 Since we don't require the base query FORM 26AS for analysis, disable the loading by right clicking and click on Enable Load



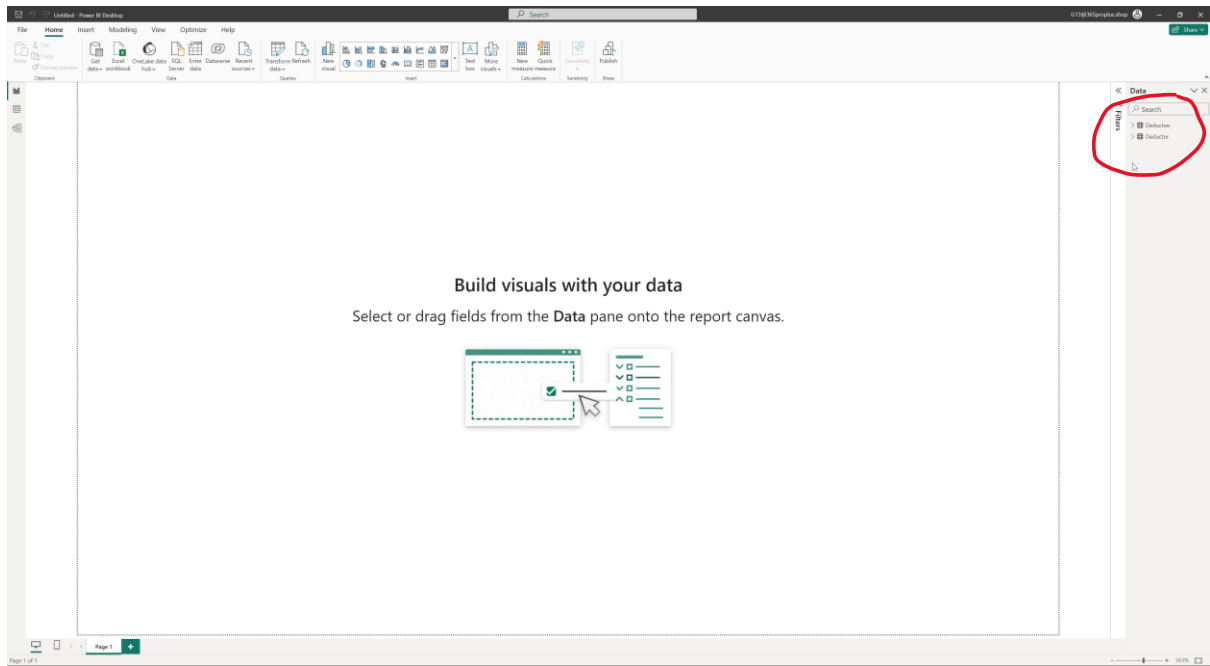
Step: #48 Now Go to File Menu and Select Close and Apply



Step: #49 Power Query Editor will be closed and in Power BI Main window you can see that Deductee and Deductor tables are loaded



Step: #50 You can see in the right side of Power BI Main window that both the tables are loaded



Please save the Power BI file for further analysis and use.