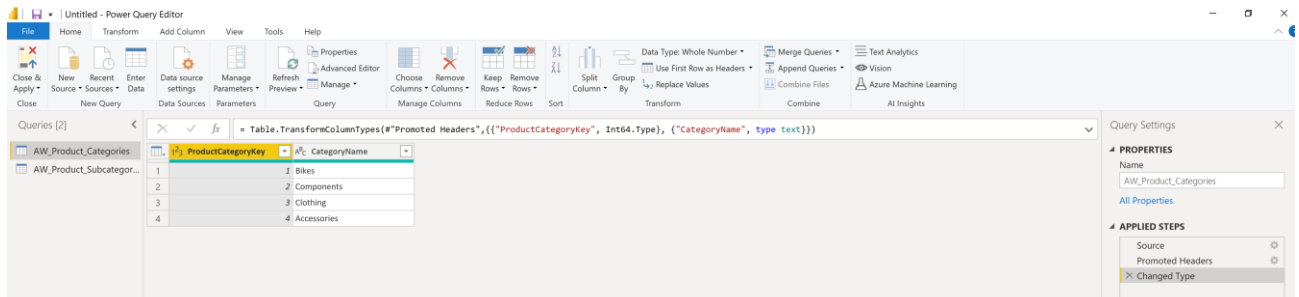


Maitha khalid

Assignment 1

Exercise 1

1)

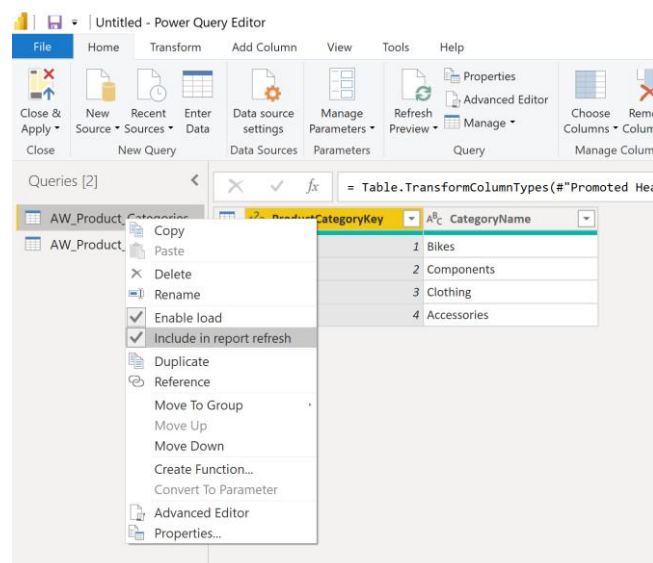


2)

Headers are prompted as shown in the applied steps

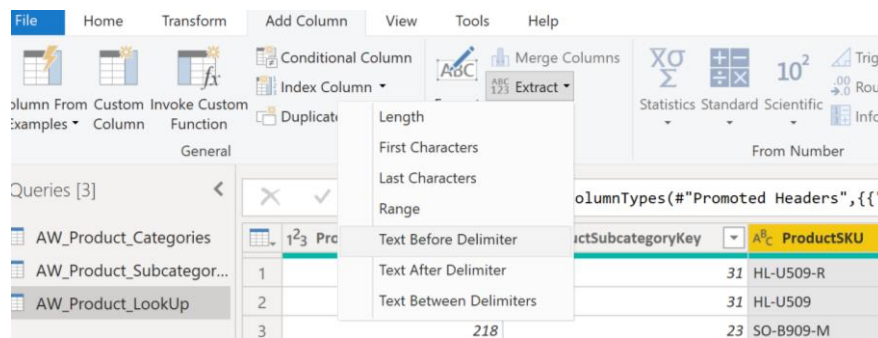
3)

Disable report refresh by right clicking on both queries, and clicking on report refresh to not include / disable

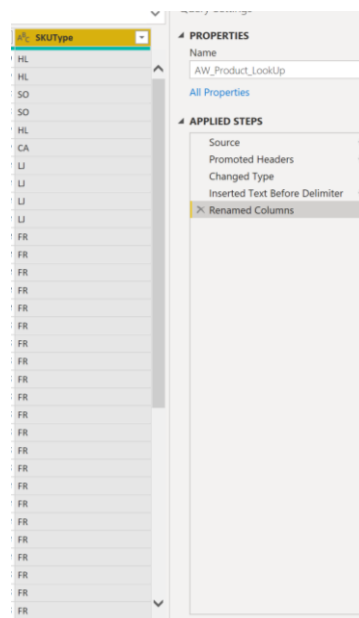


Exercise 2

1) import product sheet, change query name to AW_product_lookup, go to column, go to “add column”, click “extract”, click “text before delimiter”, write delimiter “-“



A new column is inserted -> change to “SKUtype”



2) Update for ProductsSKU before the second dash, not first dash

So repeat step -> extract text before delimiter -> click “advance options” -> scan from end of input instead of start of the word

ProductSKU	ProductName	ModelName	ProductDescription
31 HL-US09-R	Sport-100 Helmet, Red	Sport-100	Universal fit, well-vented, lightweight , snap
31 HL-US09	Sport-100 Helmet, Black	Sport-100	Universal fit, well-vented, lightweight , snap
23 SO-B909-M	Mountain Bike Socks, M	Mountain Bike Socks	Combination of natural and synthetic fibers
23 SO-B909-L	Mountain Bike Socks, L	Mountain Bike Socks	Combination of natural and synthetic fibers
31 HL-US09-B	Sport-100 Helmet, Blue	Sport-100	Universal fit, well-vented, lightweight , snap
19 CA-1098	AWC Logo Cap	Cycling Cap	Traditional style with a flip-up brim; one-size

Text Before Delimiter

Enter the delimiter that marks the end of what you would like to extract.

Delimiter
-

Advanced options
Scan for the delimiter
From the end of the input
Number of delimiters to skip 0

OK Cancel

14 FR-R38R-60	LL Road Frame - Red, 60	LL Road Frame	The LL Frame provides a safe comfortable ri
14 FR-R38R-62	LL Road Frame - Red, 62	LL Road Frame	The LL Frame provides a safe comfortable ri

Will extract words before the second dash as it will scan from the end of the word first.

SKU/Type update

HL-US09
HL
SO-B909
SO-B909
HL-US09
CA
U-0192
U-0192
U-0192
U-0192
FR-R92R
FR-R92R
FR-R92R
FR-R92R
FR-R92R
FR-R38B
FR-R38B
FR-R38B
FR-R38R
FR-R38R
FR-R38R
FR-R38R
FR-R38R
FR-R38R
FR-R72R
FR-R72R
FR-R72R
FR-R72R
FR-R38B
FR-R38B
FR-R38B

Query Settings

PROPERTIES

Name
AW_Product_LookUp
[All Properties](#)

APPLIED STEPS

Source
Promoted Headers
Changed Type
Inserted Text Before Delimiter
Renamed Columns
Inserted Text Before Delimiter1
Renamed Columns1

3)

Replace value by selecting the column -> Replace "value to find" = 0 with NA

ProductSize	ProductStyle	ProductCost	ProductPrice	SKUType
	0	13.0863	34.99	HL
		12.0278	33.6442	HL
	U	3.3963	9.5	SO
	U	3.3963	9.5	SO
	0	12.0278	33.6442	HL

Replace Values

Replace one value with another in the selected columns.

Value To Find

Replace With

> Advanced options

OK Cancel

U		181.4857	306.5636	FR
U		181.4857	306.5636	FR

0 is replaced by NA

[illegible]

4)

Productprice should have a discountprice of 15%; multiply the productprice column with 0.85 using standard mathematic operation and it will create a column with the values

ProductSize	ProductStyle	ProductCost	ProductPrice	SKUType
	NA	13.0863	34.99	HL
	NA	12.0278	33.6442	HL
	U	3.3963	9.5	SO
	U	3.3963	9.5	SO
	NA	12.0278	33.6442	HL
	U	5.7052	8.6442	CA
	U	31.7244	48.0673	UJ

Multiply

Enter a number by which to multiply each value in the column.

Value

0.85

OK Cancel

U		176.1997	297.6346	FR
U		181.4857	306.5636	FR

Rename the column added from the multiplication of productprice with 0.85 to discountprice.

DiscountPrice
29.7415
28.59757
8.075
8.075
28.59757
7.34757
40.857205
40.857205
40.857205
40.857205
40.857205
1073.94083
1073.94083
1073.94083
1073.94083
1073.94083
252.98941
252.98941
252.98941
260.57906
260.57906
260.57906
260.57906
260.57906
260.57906
505.6055
505.6055
505.6055
505.6055
505.6055
505.6055
252.98941
252.98941
252.98941

Query Settings

PROPERTIES

Name

AW_Product_LookUp

All Properties

APPLIED STEPS

Source

Promoted Headers

Changed Type

Inserted Text Before Delimiter

Renamed Columns

Inserted Text Before Delimiter1

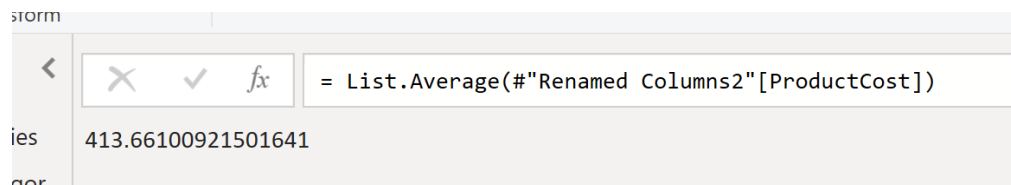
Renamed Columns1

Replaced Value

Inserted Multiplication

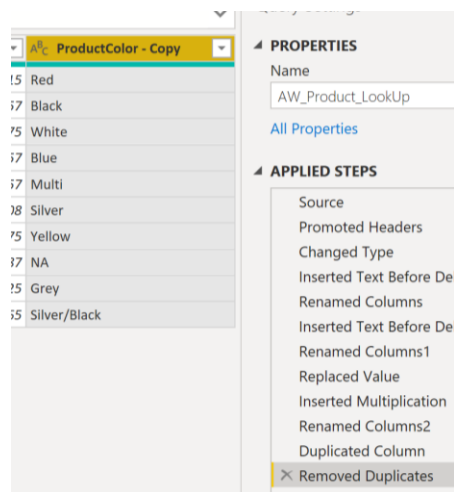
Exercise 3

1) average = 413.66

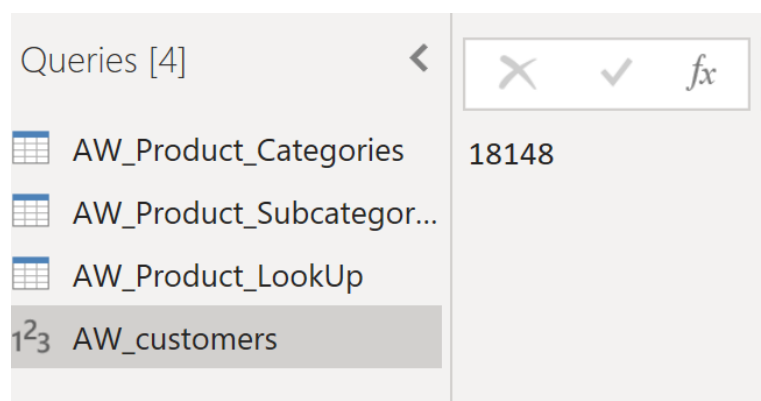


2)

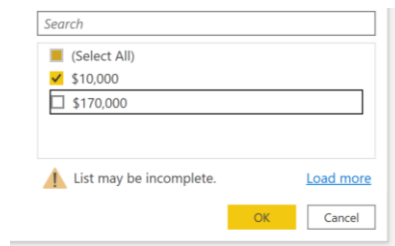
To find unique color names, I removed duplicates. There's 10 rows, so 10 distinct colors



3) click on customer names -> click statistics -> click "count values" = 18148

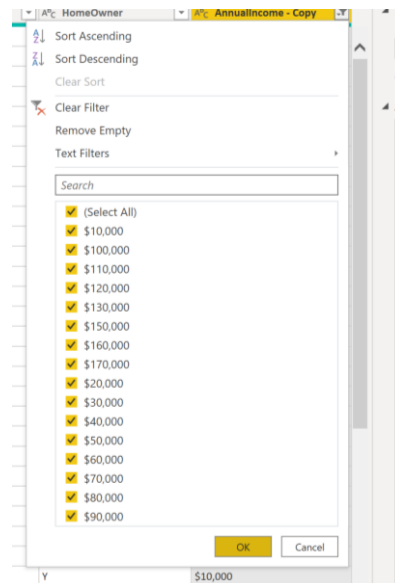


4) load more to show all income to find all available income



A search dialog box with a 'Search' input field at the top. Below it, there is a list of income values with checkboxes: ☐ (Select All), ☒ \$10,000, and ☐ \$170,000. At the bottom, there is a warning icon and text 'List may be incomplete.' with a 'Load more' link. Below that are 'OK' and 'Cancel' buttons.

All available income



A search dialog box showing a full list of income values. The list includes: ☒ (Select All), ☒ \$10,000, ☒ \$100,000, ☒ \$110,000, ☒ \$120,000, ☒ \$130,000, ☒ \$150,000, ☒ \$160,000, ☒ \$170,000, ☒ \$20,000, ☒ \$30,000, ☒ \$40,000, ☒ \$50,000, ☒ \$60,000, ☒ \$70,000, ☒ \$80,000, and ☒ \$90,000. At the bottom are 'OK' and 'Cancel' buttons.

There's two ways: sort descending order -> the first number will be the maximum = 170,000\$ or find max using statistics icon

5) and 6) couldn't find the order number column?

Exercise 4

1) go to birthdate column -> change datatype to Date instead of Text -> go to Date in Transform tab

The screenshot displays a data transformation tool interface. On the left, a list of birth years is shown, with 'BirthYear' selected as the column. The years include 1975, 1946, 1971, 1960, 1945, 1980, 1978, 1949, 1979, 1959, 1960, 1963, 1966, 1948, 1980, 1958, 1978, 1976, 1947, 1945, 1977, 1968, 1951, 1933, 1939, 1960, 1946, 1968, 1948, 1970, 1975, and 1948. On the right, the 'PROPERTIES' panel shows the 'Name' as 'AW_customers'. Below it, the 'APPLIED STEPS' panel lists the following steps: Source, Promoted Headers, Sorted Rows, Filtered Rows, Duplicated Column, Filtered Rows1, Duplicated Column1, Changed Type, Changed Type1, Duplicated Column2, Extracted Year, and 'Renamed Columns' (which is currently selected and highlighted).

2)

Go to conditional column icon from the Add Column tab

Add Conditional Column

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

New column name
IncomeLevel

	Column Name	Operator	Value		Output
If	AnnualIncome	equals	50,000	Then	Average
Else If	AnnualIncome	equals	100,000	Then	High
Else If	AnnualIncome	equals	150,000	Then	Very High

Add Clause

Else
Low

OK Cancel

New column of “income level” based on “annualincome”

IncomeLevel

975 Low
946 Low
971 Low
960 Low
945 Low
980 Low
978 Low
949 Low
979 Low
959 Low
960 Low
963 Low
966 Low
948 Low
980 Low
958 Low
978 Low
976 Low
947 Low
945 Low
977 Low
968 Low
951 Low
933 Low
939 Low
960 Low
946 Low
968 Low
948 Low
970 Low
975 Low
948 Low

PROPERTIES

Name
AW_customers
[All Properties](#)

APPLIED STEPS

- Source
- Promoted Headers
- Sorted Rows
- Filtered Rows
- Duplicated Column
- Filtered Rows1
- Duplicated Column1
- Changed Type
- Changed Type1
- Duplicated Column2
- Extracted Year
- Renamed Columns
- Added Conditional Column

Exercise 5

Saved as AW_Report_Backup report