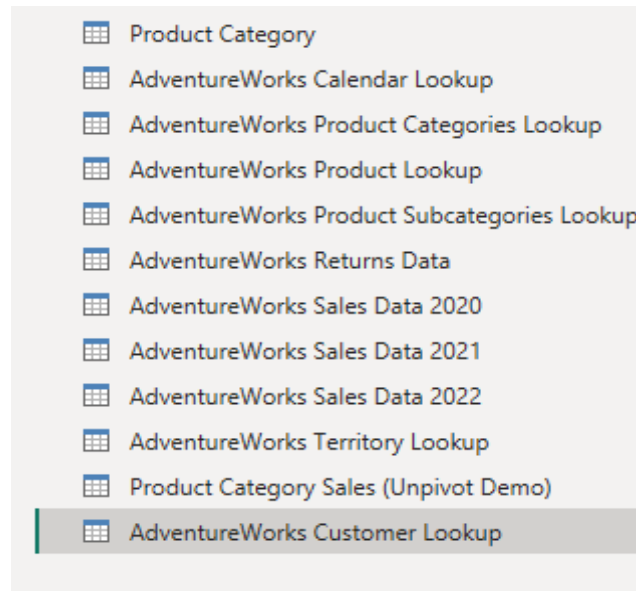


Power Query Assignment

- Create queries to connect to all .csv files in the folder into power query



- Confirm that column headers have been promoted and that all data types are correct.
- Add a new column to extract all characters before the dash (""-""") in the Product SKU column, and name it “SKU Type”

A ^B _C SKU Type	A ^B _C ProductSKU.2
HL-	U509-R
HL-	U509
SO-	B909-M
SO-	B909-L
HL-	U509-B
CA-	1098
LJ-	0192-S
LJ-	0192-M
LJ-	0192-L
LJ-	0192-X
FR-	R92R-62
FR-	R92R-44
FR-	R92R-48
FR-	R92R-52
FR-	R92R-56
FR-	R38B-58
FR-	R38B-60

A_C^B SKU Type	A_C^B ProductSKU.2.1	A_C^B ProductSKU.2.2
HL-	U509	R
HL-	U509	<i>null</i>
SO-	B909	M
SO-	B909	L
HL-	U509	B
CA-	1098	<i>null</i>
LJ-	0192	S
LJ-	0192	M
LJ-	0192	L
LJ-	0192	X
FR-	R92R	62
FR-	R92R	44
FR-	R92R	48
FR-	R92R	52
FR-	R92R	56
FR-	R38B	58
FR-	R38B	60

- Update the SKU Type calculation above to return all characters before second dash.

A_C^B ProductSKU Merged	A_C^B ProductSKU.2.2
HL-U509	R
HL-U509	<i>null</i>
SO-B909	M
SO-B909	L
HL-U509	B
CA-1098	<i>null</i>
LJ-0192	S
LJ-0192	M
LJ-0192	L
LJ-0192	X
FR-R92R	62
FR-R92R	44
FR-R92R	48
FR-R92R	52
FR-R92R	56
FR-R38B	58
FR-R38B	60
FR-R38B	62

- Replace zeros (0) in the Product Style column with “NA”

A ^B _C ProductStyle
NA
NA
U
U
NA
U
U
U
U
U
U
U
U
U
U
U
U
U
U
U

a) Implement text transformations

- Duplicate the email address column and name it “Domain Name”

A ^B _C EmailAddress	A ^B _C Domain Name
jon24@adventure-works.com	jon24@adventure-works.com
eugene10@adventure-works.com	eugene10@adventure-works.com
ruben35@adventure-works.com	ruben35@adventure-works.com
christy12@adventure-works.com	christy12@adventure-works.com
elizabeth5@adventure-works.com	elizabeth5@adventure-works.com
julio1@adventure-works.com	julio1@adventure-works.com
marco14@adventure-works.com	marco14@adventure-works.com
rob4@adventure-works.com	rob4@adventure-works.com
shannon38@adventure-works.com	shannon38@adventure-works.com
jacquelyn20@adventure-works.com	jacquelyn20@adventure-works.com
curtis9@adventure-works.com	curtis9@adventure-works.com
lauren41@adventure-works.com	lauren41@adventure-works.com
ian47@adventure-works.com	ian47@adventure-works.com
sydney23@adventure-works.com	sydney23@adventure-works.com

- In the new column, remove all text/characters except for the domain name.
- Use transformation steps to clean up and capitalize the domain names (i.e. “Adventure Works”)

A ^B _C Domain Name
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
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Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works
Adventure Works

b) Numeric tools

- What is our average product cost?

✕ ✓ <i>fx</i>	= List.Average(#"Replaced Value"[ProductCost])
413.66100921501641	

- How many colors do we sell our products in?

			= List.NonNullCount(List.Distinct(#"Replaced Value"[ProductColor]))
10			

- How many distinct customers do we have?

			= Table.RowCount(#"Renamed Columns1")
18154			

- What is the maximum annual customer income?

			= List.Max(#"Renamed Columns1"[AnnualIncome])
170000			

- Return the tables to their original state

c) Date Transformations

✕

✓

fx

= Table.AddColumn(#"Added Custom2", "Year", each Date.Year([Date]))

	Date	ABC 123 Month Name	ABC 123 Month Number	ABC 123 Start of Year	ABC 123 Year
1	01-01-2020	January	1	01-01-2020	2020
2	02-01-2020	January	1	01-01-2020	2020
3	03-01-2020	January	1	01-01-2020	2020
4	04-01-2020	January	1	01-01-2020	2020
5	05-01-2020	January	1	01-01-2020	2020
6	06-01-2020	January	1	01-01-2020	2020
7	07-01-2020	January	1	01-01-2020	2020
8	08-01-2020	January	1	01-01-2020	2020
9	09-01-2020	January	1	01-01-2020	2020
10	10-01-2020	January	1	01-01-2020	2020
11	11-01-2020	January	1	01-01-2020	2020
12	12-01-2020	January	1	01-01-2020	2020
13	13-01-2020	January	1	01-01-2020	2020
14	14-01-2020	January	1	01-01-2020	2020
15	15-01-2020	January	1	01-01-2020	2020
16	16-01-2020	January	1	01-01-2020	2020
17	17-01-2020	January	1	01-01-2020	2020
18	18-01-2020	January	1	01-01-2020	2020
19	19-01-2020	January	1	01-01-2020	2020
20	20-01-2020	January	1	01-01-2020	2020
21	21-01-2020	January	1	01-01-2020	2020