

Alteryx Designer Core Micro-Credential: Data Preparation

What color would the data quality bar be if the values are null, excluding empty values?

What color would the data quality bar be if the values are null, excluding empty values?

- ☐ A. Green
- ☐ B. Yellow
- ☒ C. Red
- ☐ D. Gray

Which tool displays data profiling information in its Configuration window?

Which tool displays data profiling information in its Configuration window?

- ☐ A. Data Cleansing tool



- ☐ B. Output tool



- ☐ C. Sample tool



- ☒ D. Browse tool



- ☐ E. Sort tool



What content is included as a part of the metadata? (Select THREE options.)

What content is included as a part of the metadata? (Select THREE options.)

- ☒ A. Field Name
- ☐ B. Record ID
- ☒ C. Source
- ☒ D. Type

The following input data is connected to a Filter tool:

The following input data is connected to a Filter tool:



Record	Region	Total	Category
1	Aragon	75	City
2	Aragon	27	Rural
3	Canary Islands	88	Beach
4	Valencia	34	[Null]
5	Valencia	90	Beach
6	Balearic Islands	45	Beach
7	Madrid	[Null]	Beach

Region and Category are string data types and Total is numeric.

How many rows will the T anchor contain with the following custom filter?

IsNull([Total]) OR [Total]<40

- ☐ A. 0
- ☒ B. 3
- ☐ C. 5
- ☐ D. 7

In this workflow, the Output Data tool has the following configuration. The workflow runs without error the first time. Without making any changes to the workflow, it is run a second time. The second run results in an error. What change should be made to the workflow, so it runs without error?

In this workflow, the Output Data tool has the following configuration. The workflow runs without error the first time. Without making any changes to the workflow, it is run a second time. The second run results in an error. What change should be made to the workflow, so it runs without error?

Output Data (142) - Configuration

Write to File or Database

C:/Users/OneDrive-alteryx.com/desktop/Data Sets/Job_Role_Inventory.xlsx|||Sh

Options

Name	Value
1 Max Records Per File	
2 File Format	Microsoft Excel (*.xlsx)
3 Output Options	Create New Sheet
4 Append Field Map	By Field Name
5 Skip Field Names	<input type="checkbox"/>
6 Preserve Formatting on Overwrite (Range Required)	<input type="checkbox"/>



- ☒ A. Configure the Output Data tool to overwrite the existing sheet.
- ☐ B. Configure the Output Data tool to skip field names.
- ☐ C. Make changes in the Select tool so new data is available.
- ☐ D. Disconnect and then reconnect the Select tool and Output Data tool.

The following data table is connected to a Unique tool with the Category, Color, and State fields selected in the configuration window. Which records are contained in the U anchor?

The following data table is connected to a Unique tool with the Category, Color, and State fields selected in the configuration window. Which records are contained in the U anchor?



Record	Category	Color	State	City	Status
1	Car	Black	NH	Bedford	Lease
2	Truck	White	CT	Hartford	Lease
3	Car	Black	NH	Albany	Own
4	Car	Black	CT	Bristol	Lease
5	Truck	White	CT	Fairfield	Own
6	Van	White	CT	Andover	Own
7	Car	Gray	NH	Bedford	Lease
8	Car	White	NH	Roxbury	Own

- ☒ A.

Record	Category	Color	State	City	Status
1	Car	Black	CT	Bristol	Lease
2	Car	Black	NH	Bedford	Lease
3	Car	Gray	NH	Bedford	Lease
4	Car	White	NH	Roxbury	Own
5	Truck	White	CT	Hartford	Lease
6	Van	White	CT	Andover	Own
- ☐ B.

Record	Category	Color	State	City	Status
1	Car	Black	NH	Albany	Own
2	Truck	White	CT	Fairfield	Own
- ☐ C.

Record	Category	Color	State	City	Status
1	Car	Black	NH	Albany	Own
2	Car	Black	NH	Bedford	Lease
3	Car	Black	CT	Bristol	Lease
4	Car	Gray	NH	Bedford	Lease
5	Car	White	NH	Roxbury	Own
6	Truck	White	CT	Fairfield	Own
7	Truck	White	CT	Hartford	Lease
8	Van	White	CT	Andover	Own
- ☐ D.

Record	Category	Color	State	City	Status
1	Car	Black	CT	Bristol	Lease
2	Truck	White	CT	Fairfield	Own
3	Van	White	CT	Andover	Own

Which one of the following tools will allow the user to replace null values with either blanks (for string fields) or zeros (for numeric fields)?

Which one of the following tools will allow the user to replace null values with either blanks (for string fields) or zeros (for numeric fields)?

- ☐ A. Sample
- ☒ B. Data Cleansing
- ☐ C. Select
- ☐ D. Auto Field

The following dataset is connected to a Data Cleansing tool with the displayed configuration:

The following dataset is connected to a Data Cleansing tool with the displayed configuration:



Record	Value
1	[Christine's Cat corner] 450-678-5555/ (M-F) 8:00-5:00

Data Cleansing (63) - Configuration

Options

Remove Null Data

☐ Remove null rows

☐ Remove null columns

Select Fields to Cleanse [All](#) [None](#)

☒ Value

Replace Nulls

☒ Replace with Blanks (String Fields)

☒ Replace with 0 (Numeric Fields)

Remove Unwanted Characters

☐ Leading and Trailing Whitespace

☐ Tabs, Line Breaks, and Duplicate Whitespace

☒ All Whitespace

☐ Letters

☐ Numbers

☒ Punctuation

☒ Modify Case

Title Case

What is the output of the Data Cleansing tool?

- ☐ A. Christines Cat Corner 4506785555 Mf800 500
- ☒ B. ChristinesCatCorner4506785555Mf800500
- ☐ C. ChristinesCatcorner4506785555MF800500

The Browse tool allows the user to:

The Browse tool allows the user to:



- ☐ A. join data together.
- ☒ B. interpret data profiling.
- ☐ C. output data.
- ☐ D. create different formulas.

Which of the Formula tool configurations would produce the following output?

Which of the Formula tool configurations would produce the following output?

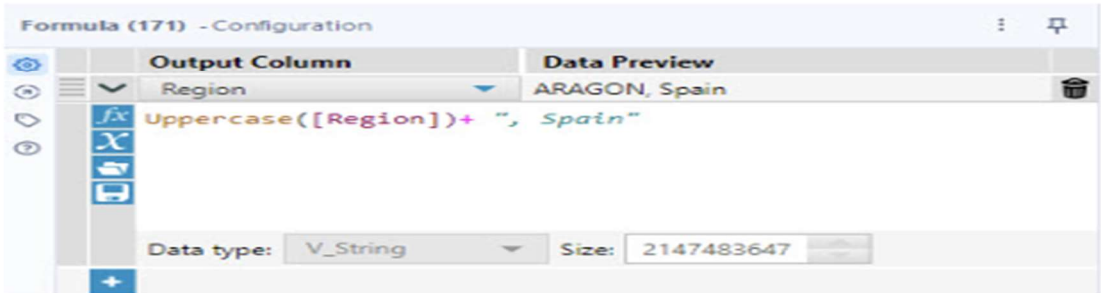
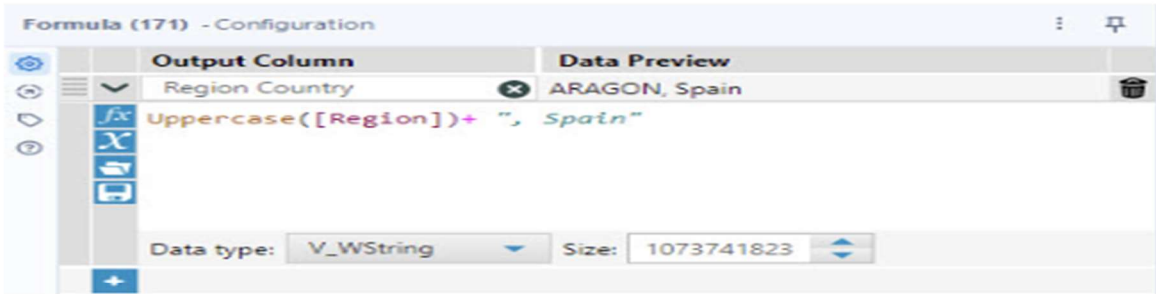
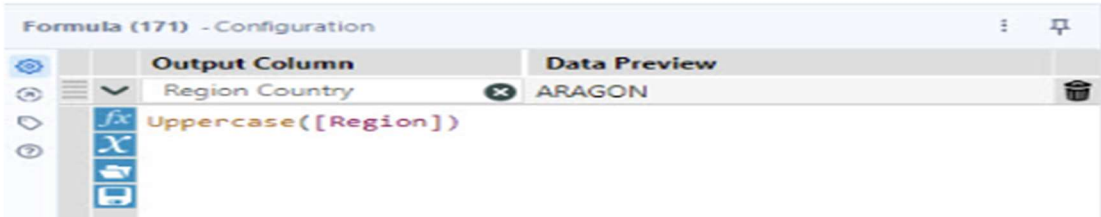


Input:

Record	Region
1	Aragon
2	canary islands
3	Valencia
4	Madrid
5	balearic islands

Output:

Record	Region	Region Country
1	Aragon	ARAGON, Spain
2	canary islands	CANARY ISLANDS, Spain
3	Valencia	VALENCIA, Spain
4	Madrid	MADRID, Spain
5	balearic islands	BALEARIC ISLANDS, Spain

- ☐ A. 
- ☐ B. 
- ☒ C. 

What will be the output of the following function on a field with the value "Parsing with Alteryx is fun"?

What will be the output of the following function on a field with the value "Parsing with Alteryx is fun"?

`GetWord([Field],2)`

- ☐ A. Parsing
- ☒ B. with
- ☐ C. Alteryx
- ☐ D. Fun

The following data is connected to a Sort tool. The data type for the column is V_String.

The following data is connected to a Sort tool. The data type for the column is V_String.



Record	Value
1	2
2	10
3	3
4	1
5	11
6	100

The Sort tool is configured to sort on the Value column in **Ascending** order, with Use Dictionary Order **unchecked**. What is the output of the Sort tool?

- ☒ A.

Record	Value
1	1
2	2
3	3
4	10
5	11
6	100
- ☐ B.

Record	Value
1	1
2	10
3	100
4	11
5	2
6	3
- ☐ C.

Record	Value
1	100
2	11
3	10
4	3
5	2
6	1

Referencing the provided data table, which one of the following tools will output only the first 3 rows?

Referencing the provided data table, which one of the following tools will output only the first 3 rows?

Record	Region	Total	Date	Category
1	Madrid	55	2020-09-08	Rural
2	Balearic Islands	22	2020-03-31	City
3	Canary Islands	56	2020-02-05	City
4	Report Created Date: March 20th, 2020		[Null]	[Null]
5	Report Updated		Quarterly	[Null]

- ☐ A. Select
- ☒ B. Sample
- ☐ C. Summarize

The following dataset is connected to a Data Cleansing tool with the following configuration:

The following dataset is connected to a Data Cleansing tool with the following configuration:



Dataset:

Record	First Name	Last Name	Work Status	Age
1	Dolly-May	Renfield	employed	62
2	Randle	David	retired	68
3	Vincent	Wright-Taylor	unemployed	47

Configuration:

Data Cleansing (33) - Configuration

Options

Remove Null Data

☐ Remove null rows

☐ Remove null columns

Select Fields to Cleanse

☒ First Name

☒ Last Name

☒ Work Status

☒ Age

Replace Nulls

☒ Replace with Blanks (String Fields)

☒ Replace with 0 (Numeric Fields)

Remove Unwanted Characters

☒ Leading and Trailing Whitespace

☐ Tabs, Line Breaks, and Duplicate Whitespace

☐ All Whitespace

☐ Letters

☐ Numbers

☒ Punctuation

☐ Modify Case

Which of the following actions will happen to the data table?

- ☐ A. The value "Wright-Taylor" will become "Wright Taylor".
- ☒ B. The value "Dolly-May" will become "DollyMay".
- ☐ C. The records in the string fields will be blank.

The following data table is connected to a Unique tool:

The following data table is connected to a Unique tool:



Input:

Record	First	Last	Address	City	State
1	Yuki	Sato	4560 Evanston St	Leeds	OH
2	Yuki	Sato	3940 Urban Cir	Leeds	MI
3	Riku	Sato	7595 S Teller Ct	Albany	OH
4	Yuki	Tanaka	143 S Perry St	Albany	OH
5	Samir	Sato	467 Main Street	Leeds	OH
6	Yuki	Sato	1706 Starlight Lane	Albany	MI

The Unique tool provides the following output from the U anchor:

Record	First	Last	Address	City	State
1	Riku	Sato	7595 S Teller Ct	Albany	OH
2	Samir	Sato	467 Main Street	Leeds	OH
3	Yuki	Sato	4560 Evanston St	Leeds	OH
4	Yuki	Tanaka	143 S Perry St	Albany	OH

Which fields were selected in the Unique tool's configuration window?

- ☐ A. Last and City
- ☒ B. First and Last
- ☐ C. Last, City, and State
- ☐ D. First, Last, and State

The following data table is connected to a Unique tool with the Fence Type, Height, and Color fields selected in the configuration window. Which records are contained in the U output anchor

The following data table is connected to a Unique tool with the Fence Type, Height, and Color fields selected in the configuration window. Which records are contained in the U output anchor?



Record	Fence Type	Height	Color
1	PVC	6	White
2	PVC	6	White
3	Wood	5	Brown
4	Chain Link	4	Black
5	Wood	6	White
6	Chain Link	5	Silver
7	Wood	5	Brown

- ☒ A.

Record	Fence Type	Height	Color
1	Chain Link	4	Black
2	Chain Link	5	Silver
3	PVC	6	White
4	Wood	5	Brown
5	Wood	6	White
- ☐ B.

Record	Fence Type	Height	Color
1	Chain Link	4	Black
2	PVC	6	White
3	Wood	5	Brown
- ☐ C.

Record	Fence Type	Height	Color
1	Chain Link	4	Black
2	Wood	5	Brown
3	Chain Link	5	Silver
4	PVC	6	White

Where can a user view metadata in Designer for any tool selected in the workflow?

Where can a user view metadata in Designer for any tool selected in the workflow?

- ☐ A. Configuration Window
- ☒ B. Results Window
- ☐ C. Overview Window
- ☐ D. Interface Designer

The provided dataset contains data on the show "Married at First Sight" where people get married to a complete stranger. What is the standard deviation of the age of the female participants who stay married and were matched by Pastor Calvin Roberso

The [provided dataset](#) contains data on the show "Married at First Sight" where people get married to a complete stranger. What is the standard deviation of the age of the female participants who stay married and were matched by Pastor Calvin Roberso

- ☐ A. 0.333
- ☐ B. 1.996
- ☒ C. 3.982
- ☐ D. 30.375

In the following dataset, the Q1 and Q2 columns are numeric data types. Which expression would produce the values in the H1 column?

In the following dataset, the Q1 and Q2 columns are numeric data types. Which expression would produce the values in the H1 column?

Record	Name	Q1	Q2	H1
1	Allison	30	60	90
2	Michael	70	30	100
3	Tim	40	70	110
4	Buckley	90	30	120

- ☒ A. [Q1] + [Q2]
- ☐ B. H1 = [Q1] + [Q2]
- ☐ C. Sum([Q1],[Q2])
- ☐ D. Plus([Q1],[Q2])

Which expression in the custom filter of the Filter tool will convert the following input to the output?

Which expression in the custom filter of the Filter tool will convert the following input to the output?



Input:

Record	Region	Total	Date
1	Aragon	75	2022-02-03
2	Aragon	27	2022-02-05
3	Canary Islands	88	2022-06-08
4	Valencia	34	2022-03-31
5	Balearic Islands	45	2022-05-19
6	Madrid	33	2022-03-07
7	Valencia	90	2022-04-13

T output:

Record	Region	Total	Date
1	Aragon	75	2022-02-03

F output:

Record	Region	Total	Date
1	Aragon	27	2022-02-05
2	Canary Islands	88	2022-06-08
3	Valencia	34	2022-03-31
4	Balearic Islands	45	2022-05-19
5	Madrid	33	2022-03-07
6	Valencia	90	2022-04-13

Region is a string data type, Total is numeric, and Date is date.

- ☒ A. [Date] >= "2022-01-01" AND [Date] <= "2022-03-31" AND [Total] > 45
- ☐ B. [Date] >= "2022-01-01" OR [Date] <= "2022-03-31" AND [Total] > 45
- ☐ C. [Date] >= "2022-01-01" AND [Date] <= "2022-03-31" OR [Total] > 45
- ☐ D. [Date] >= "2022-01-01" OR [Date] <= "2022-03-31" OR [Total] > 45

In the Input Data tool, what is the symbol for a comma delimiter when connecting to a .csv file?

In the Input Data tool, what is the symbol for a comma delimiter when connecting to a .csv file?



- ☒ A. ,
- ☐ B. \c
- ☐ C. \comma
- ☐ D. \,

Assuming Field_Category has the values finance, accounting, and 2019, which output file(s) will be generated using this configuration of the Output Data tool?

Assuming Field_Category has the values finance, accounting, and 2019, which output file(s) will be generated using this configuration of the Output Data tool?



Output Data (142) - Configuration

Write to File or Database

_Report.csv

Options

Name	Value
1 Max Records Per File	
2 File Format	Comma Separated Value (*.csv)
3 Delimiters	,
4 First Row Contains Field Names	<input checked="" type="checkbox"/>
5 Quote Output Fields	Auto
6 Code Page	ISO 8859-1 Latin I
7 Line Ending Style	Windows
8 Write BOM	<input checked="" type="checkbox"/>

☒ Take File/Table Name From Field

Append Suffix to File/Table Name

Field Containing File Name or Part of File Name

Field_Category

☒ Keep Field in Output

- ☒ A. _ReportFinance.csv _ReportAccounting.csv _Report2019.csv
- ☐ B. _Report.csv
- ☐ C. finance2019_Report.csv accouting2019_Report.csv
- ☐ D. financeaccouting2019_Report.csv

Given the provided weather data file, how many records are duplicates across both the EVENT_ID and DATE fields?

Given the provided [weather data file](#), how many records are duplicates across both the EVENT_ID and DATE fields?

- ☐ A. 0
- ☐ B. 1
- ☐ C. 2
- ☒ D. 4

Given the provided list of toasters, what is the average cost of a toaster oven? (Round to the nearest dollar.)

Given the provided [list of toasters](#), what is the average cost of a toaster oven? (Round to the nearest dollar.)

- ☐ A. \$39
- ☐ B. \$79
- ☒ C. \$99
- ☐ D. \$112
- ☐ E. \$157

The following dataset contains weights and destinations for packages to be shipped. Any package under 2 pounds ships for free, and any package 2 pounds or heavier costs \$1.99 per pound to ship. What is the average cost to ship the packages? (Include packages that ship for free in the average cost calculation, and round the answer to the nearest hundredth.)

The following [dataset](#) contains weights and destinations for packages to be shipped. Any package under 2 pounds ships for free, and any package 2 pounds or heavier costs \$1.99 per pound to ship. What is the average cost to ship the packages? (Include packages that ship for free in the average cost calculation, and round the answer to the nearest hundredth.)

- ☐ A. 4.45
- ☐ B. 4.60
- ☒ C. 4.73
- ☐ D. 4.98

Which of the following options of the Data Cleansing tool can only be used for numeric data types?

Which of the following options of the Data Cleansing tool can only be used for numeric data types?



- ☐ A. Leading and Trailing Whitespace
- ☐ B. Replace with Blanks
- ☒ C. Replace with 0
- ☐ D. Tabs, Line Breaks, and Duplicate Whitespace

Assuming Field_Category has the values sales, technical, and engineering, which output file(s) will be generated using this configuration of the Output Data tool?

Assuming Field_Category has the values sales, technical, and engineering, which output file(s) will be generated using this configuration of the Output Data tool?

Output Data (2) - Configuration

Write to File or Database

-2015.csv

Set Up a Connection

☐ Use Data Connection Manager (DCM)

Options

Name	Value
1 Max Records Per File	
2 File Format	Comma Separated Value (*.csv)
3 Delimiters	,
4 First Row Contains Field Names	<input checked="" type="checkbox"/>
5 Quote Output Fields	Auto
6 Code Page	ISO 8859-1 Latin I
7 Line Ending Style	Unix
8 Write BOM	<input checked="" type="checkbox"/>

☒ Take File/Table Name From Field

Prepend Prefix to File/Table Name

Field Containing File Name or Part of File Name

Field_Category ☒ Keep Field in Output

- ☐ A. 2015-sales.csv 2015-technical.csv 2015-engineering.csv
- ☒ B. sales-2015.csv technical-2015.csv engineering-2015.csv
- ☐ C. 2015-sales-technical-engineering.csv
- ☐ D. 2015-.csv

Which of the following shows the date December 9, 2022, in the default Alteryx Designer date format?

Which of the following shows the date December 9, 2022, in the default Alteryx Designer date format?

- ☒ A. 2022-12-09
- ☐ B. 12-09-2022
- ☐ C. 2022-09-12

Assuming Field_Category has the values 2017, 2018, and 2019, which output file(s) will be generated using this configuration of the Output Data tool?

Assuming Field_Category has the values 2017, 2018, and 2019, which output file(s) will be generated using this configuration of the Output Data tool?

Output Data (1) - Configuration

Write to File or Database

regional.csv

Options

Name	Value
1 Max Records Per File	
2 File Format	Comma Separated Value (*.csv)
3 Delimiters	,
4 First Row Contains Field Names	<input checked="" type="checkbox"/>
5 Quote Output Fields	Auto
6 Code Page	ISO 8859-1 Latin I
7 Line Ending Style	Windows
8 Write BOM	<input checked="" type="checkbox"/>

☒ Take File/Table Name From Field

Prepend Prefix to File/Table Name

Field Containing File Name or Part of File Name

Field_Category ☒ Keep Field in Output

- ☐ A. 2017regional.csv 2018regional.csv 2019regional.csv
- ☐ B. 2017Field_Category.csv 2018Field_Category.csv 2019Field_Category.csv
- ☐ C. regional_2017_2018_2019.csv
- ☒ D. regional.csv

The Tabs, Line Breaks, and Duplicate Whitespace option of the Data Cleansing tool replaces duplicate occurrences with which character?

The Tabs, Line Breaks, and Duplicate Whitespace option of the Data Cleansing tool replaces duplicate occurrences with which character?



- ☐ A. Null
- ☐ B. Tab
- ☐ C. 0 (zero)
- ☒ D. Space

In the Input Data tool, what is the symbol for a tab delimiter?

In the Input Data tool, what is the symbol for a tab delimiter?



- ☐ A. \tab
- ☒ B. \t
- ☐ C. t
- ☐ D. _

Where is the option to update workflow dependencies located?

Where is the option to update workflow dependencies located?

- ☒ A. Workflow tab of the Workflow Configuration window
- ☐ B. User Settings section of the Options tab
- ☐ C. Runtime tab of the Workflow Configuration window
- ☐ D. Advanced Options section of the Options tab

The following data is connected to a Formula tool:

The following data is connected to a Formula tool:



Record	Data
1	The best is yet to come

The Formula tool contains the expression:

Left([Data], 5)

What is the result of the Formula tool?

- ☐ A. The b
- ☐ B. to
- ☐ C. The best is yet to
- ☒ D. come

Which of the following icons is used to access saved expressions?

Which of the following icons is used to access saved expressions?

☒ A. 

☐ B. 

☐ C. 

☐ D. 

Which expression in the Formula tool will produce the ID2 column in the following dataset?

Which expression in the Formula tool will produce the ID2 column in the following dataset?



Record	ID	ID2
1	A671A	671
2	A8A9	8A9
3	A90	90
4	A337A	337

☐ A. GetNum([ID])

☐ B. TrimLeft([ID], "A")

☒ C. Trim([ID], "A")

☐ D. ReplaceChar([ID], "A")

The following data is connected to a Formula tool

The following data is connected to a Formula tool:



Record	Data
1	zip code 73951 Starlight Street

The Formula tool contains the expression:

Left([Data], 8)

What is the result of the Formula tool?

☒ A. zip code

☐ B. zip cod

☐ C. zip codes

☐ D. e

Which of the following tools will remove the first 2 rows from the following dataset? (Select TWO options.)

Which of the following tools will remove the first 2 rows from the following dataset? (Select TWO options.)

Record	Category	Color	Status	City
1	For additional info see A3	[Null]	Data Collected 10-22	[Null]
2	Makes and Models in Appendix D	[Null]	See appendix B for Methods	[Null]
3	Car	White	Own	Albany
4	Truck	Black	Own	Rochester
5	Van	Red	Lease	Syracuse
6	Truck	Blue	Lease	Utica
7	Car	Black	Own	Bedford

- ☐ A. Summarize
- ☒ B. Data Cleansing
- ☐ C. Sample
- ☐ D. Unique
- ☒ E. Select Records

A user would like to write additional records to the same sheet or table of an existing file without losing any of the previous data. Which Output tool options would be best suited for this use case? (Select TWO options.)

A user would like to write additional records to the same sheet or table of an existing file without losing any of the previous data. Which Output tool options would be best suited for this use case? (Select TWO options.)



- ☒ A. Append Existing
- ☒ B. Create New
- ☐ C. Overwrite File
- ☐ D. Overwrite Range

What color would the data quality bar be if the values include leading or trailing white spaces, or embedded new lines?

What color would the data quality bar be if the values include leading or trailing white spaces, or embedded new lines?

- ☐ A. Green
- ☐ B. Yellow
- ☒ C. Red
- ☐ D. Gray

Which of the following tools allows for saved expressions? (Select TWO options.)

Which of the following tools allows for saved expressions? (Select TWO options.)



A. Formula



B. Select



C. Filter



D. Join



E. Data Cleansing

