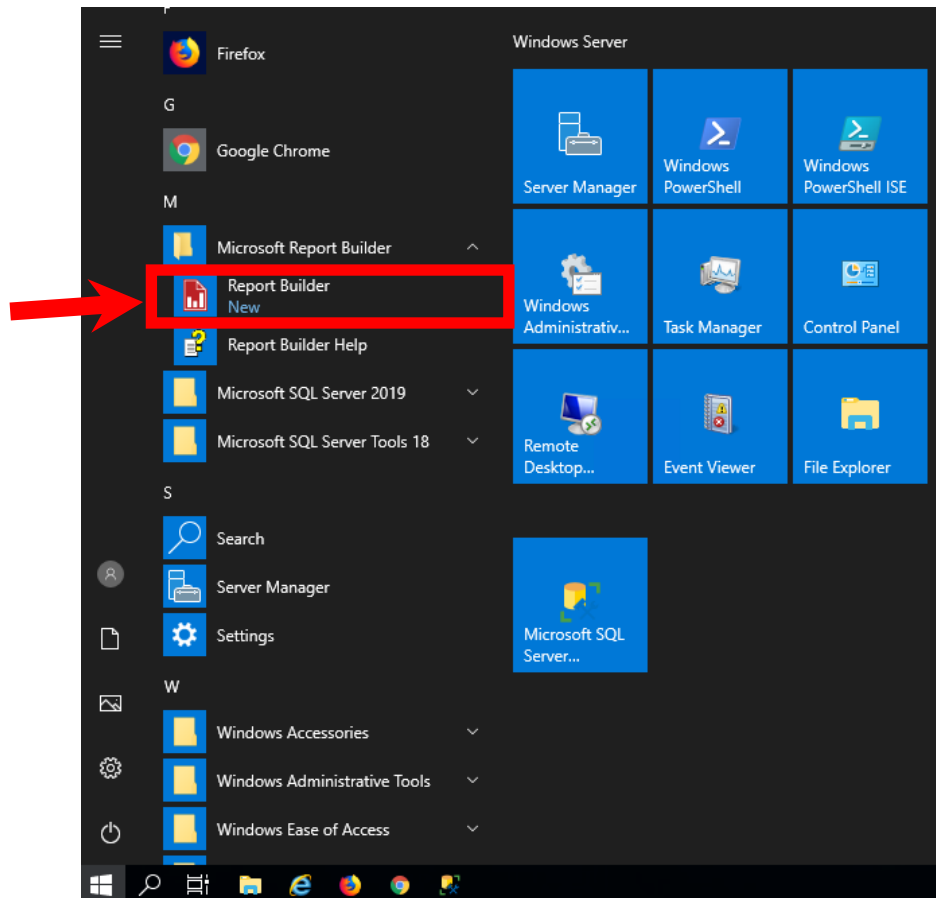
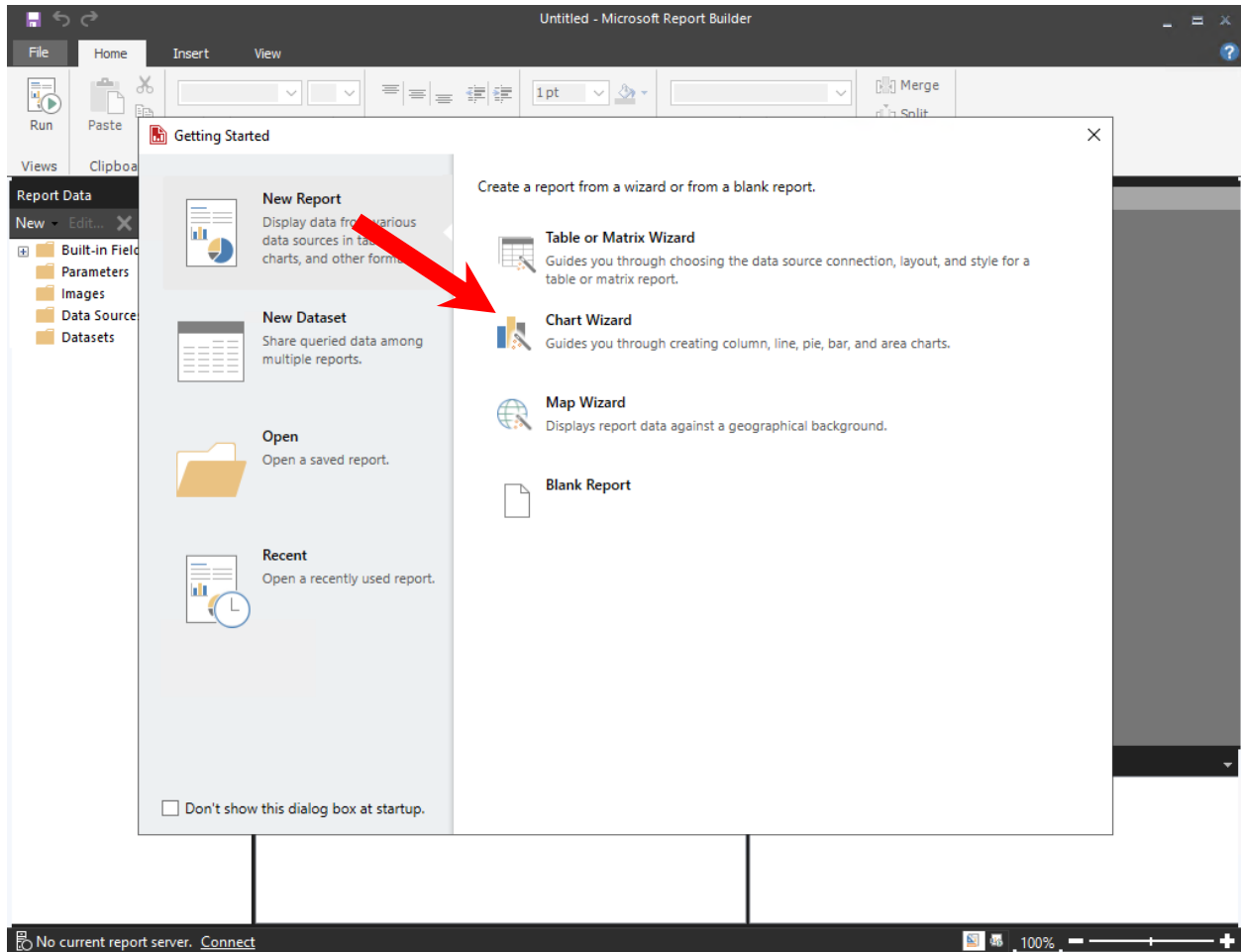


## CREATING A BIKESTORES COLUMN CHART REPORT

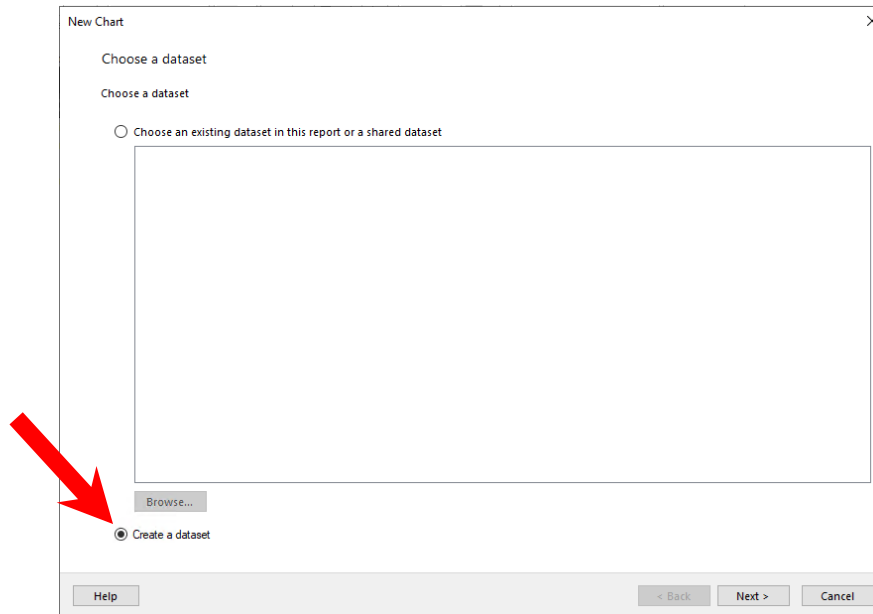
- [1] To start the Microsoft Report Builder application, access the Windows Start menu and select the Microsoft Report Builder folder.



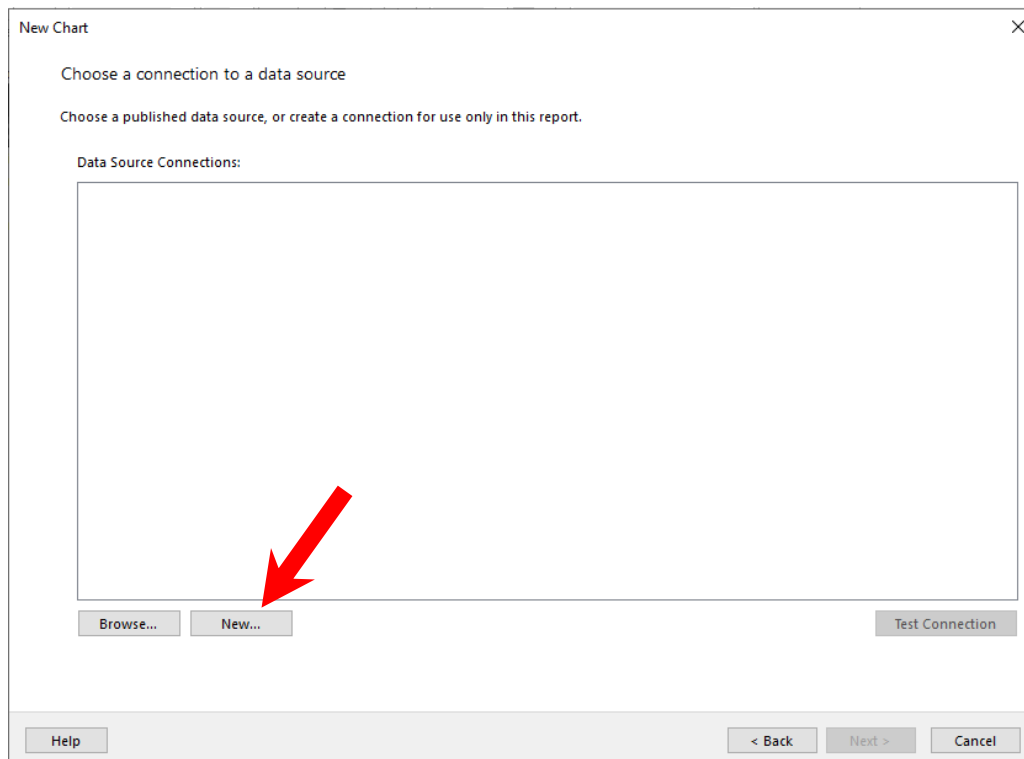
[2] You'll then see the *Getting Started* screen in Microsoft Report Builder. Click on the *Chart Wizard* option.



- [3] You'll be presented with the *New Chart* screen. Click on the “*Create a dataset*” option and click the **NEXT** button to continue.



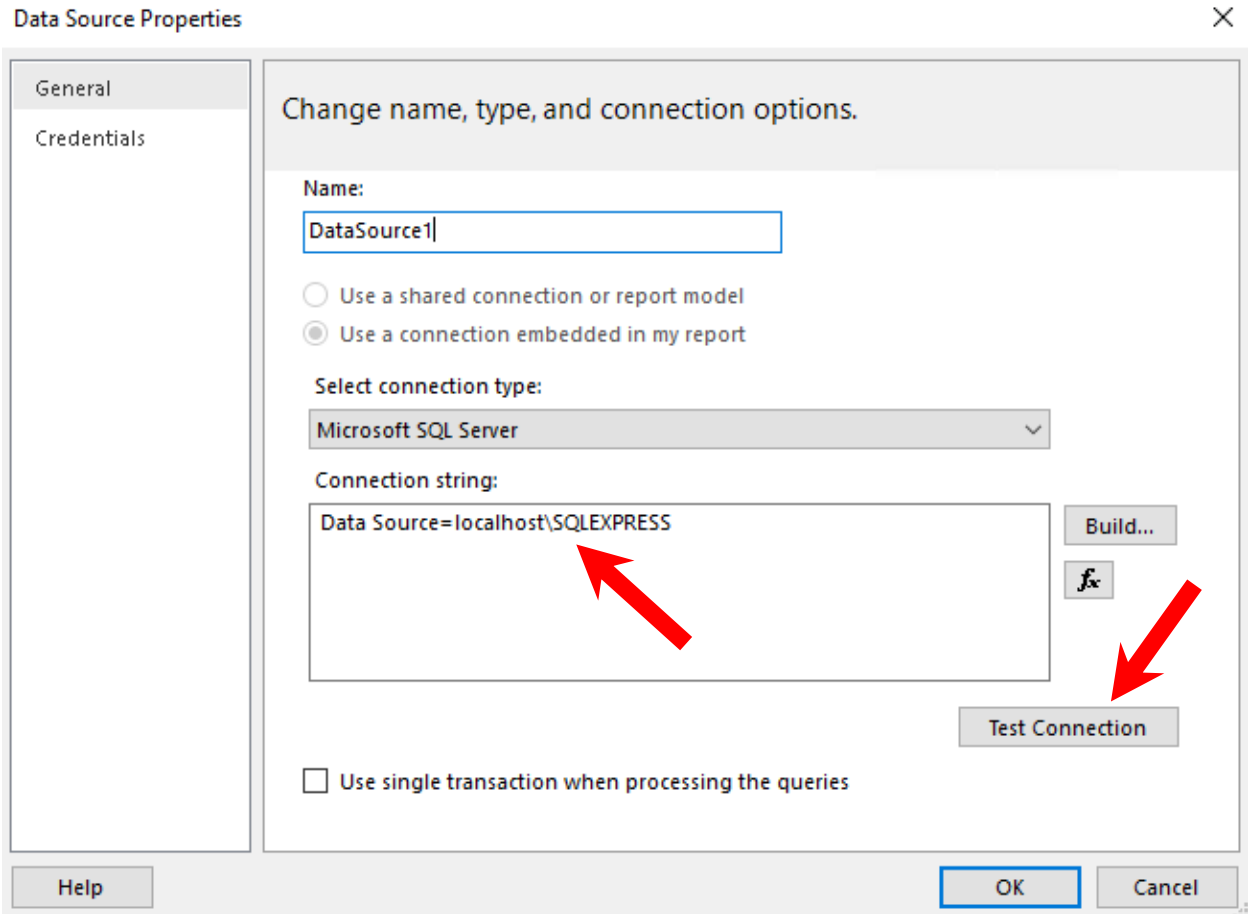
- [4] You will then see a screen asking for you the “*Choose a connection to a data source.*” Click on the **NEW** button.



- [5] You will then see the *Data Source Properties* screen. You can leave the Name value as is or provide a preferred name. In the Connection String field, enter the following value:

**Data Source=localhost\SQLEXPRESS**

Click on the **TEST CONNECTION** to verify the connection string. You should receive a “*Connection created successfully*” message. Click on the **OK** button close out the prompt. Then click on the **OK** button on the *Data Source Properties* screen to complete the data source specification.



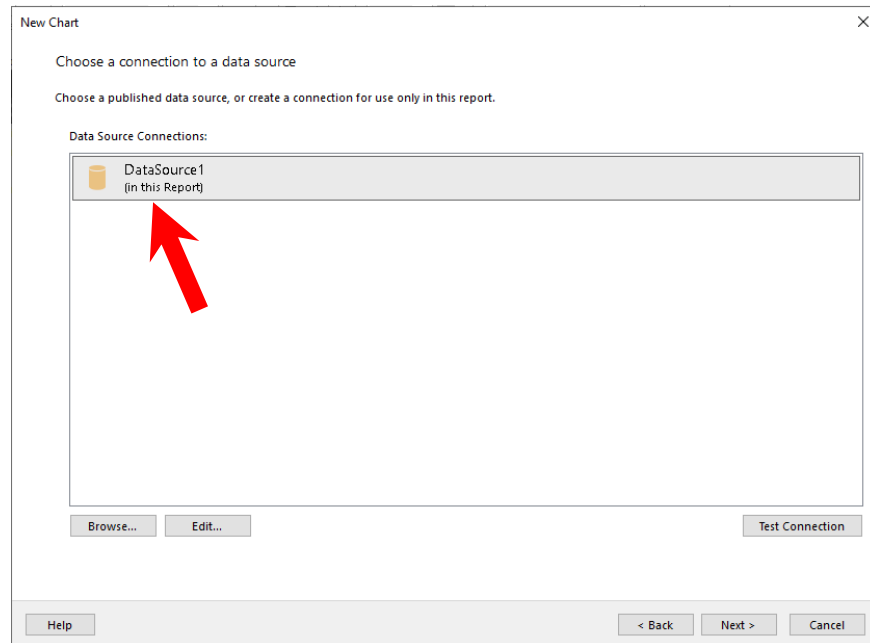
Test Connection Result



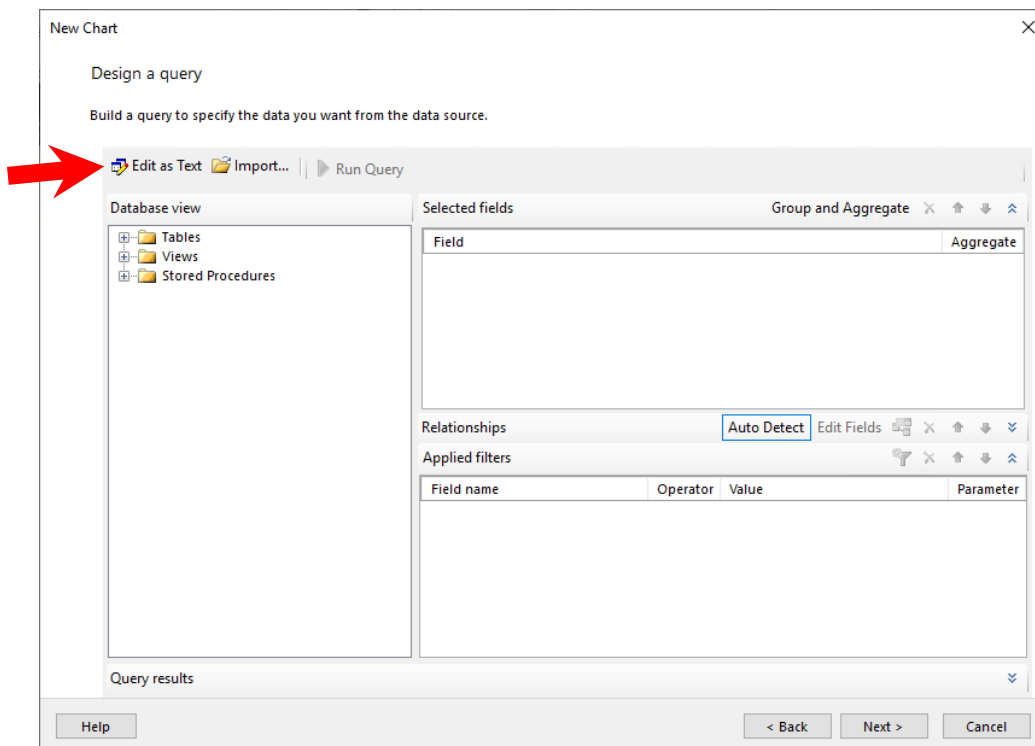
Connection created successfully.

OK

- [6] You'll be returned to the “*Choose a connection to a data source screen.*” Make sure the new data source entry is highlighted and then click on the **NEXT** button to continue.



- [7] You'll then see the “*Design a query*” screen. Click on the “*Edit as Text*” option in the top left portion of the screen.

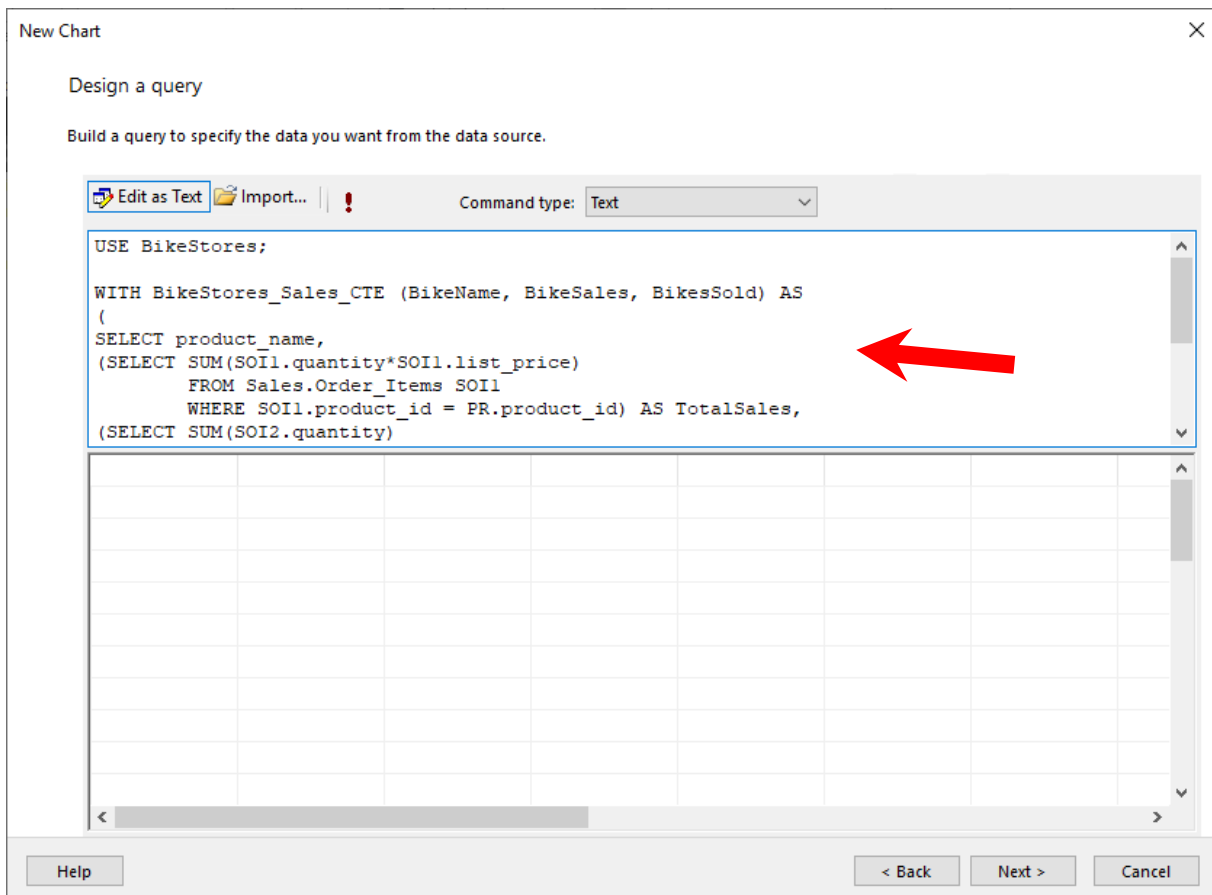



[8] In the provided text field area, enter the following SQL statements:

```
USE BikeStores;
```

```
WITH BikeStores_Sales_CTE (BikeName, BikeSales, BikesSold)
AS (
SELECT product_name,
(SELECT SUM(SOI1.quantity*SOI1.list_price)
FROM Sales.Order_Items SOI1
WHERE SOI1.product_id = PR.product_id) AS TotalSales,
(SELECT SUM(SOI2.quantity)
FROM Sales.Order_Items SOI2
WHERE SOI2.product_id = PR.product_id) AS BikesSold
FROM Production.Products PR
)
```

```
SELECT TOP 5 BikeName, BikeSales
FROM BikeStores_Sales_CTE
ORDER BY BikeSales DESC;
```







- [9] Click on the exclamation point (  ) to execute and test the entered SQL code. A total of 5 records should be returned from the SQL statements. Then click on the **NEXT** button to continue.

New Table or Matrix ×

Design a query

Build a query to specify the data you want from the data source.

 Edit as Text  Import...   Command type: Text

```
USE BikeStores;

WITH BikeStores_Sales_CTE (BikeName, BikeSales, BikesSold) AS (
SELECT product_name,
(SELECT SUM(SOI1.quantity*SOI1.list_price)
FROM Sales.Order_Items SOI1
WHERE SOI1.product_id = PR.product_id) AS TotalSales,
(SELECT SUM(SOI2.quantity)
FROM Sales.Order_Items SOI2
```

BikeName	BikeSales
Trek Slash 8 27...	615998.46
Trek Conduit+ ...	434998.55
Trek Fuel EX 8 ...	414698.57
Surly Straggler...	253829.49
Trek Domane S...	236499.57

Help < Back Next > Cancel


[10] You will then see the “*Choose a chart type*” screen. Select the *Column* option and then click on the **NEXT** button.


New Chart ×


Choose a chart type


Choose a chart type that best displays your data.


Chart type:

 **Column**  
A column chart displays a series as a set of vertical bars grouped by category. Column charts are useful for illustrating comparisons among...

 **Line**  
A line chart displays a series as a set of points connected by a single line. Line charts are used to represent large amounts of data that occur...

 **Pie**  
A pie chart displays value data as percentages of a total. Consider using a pie chart after the data has been aggregated to seven data poi...

 **Bar**  
A bar chart displays data horizontally. It is popular for categorical information, because the categories can be displayed horizontally.

 **Area**  
The area chart displays data contiguously, so it is commonly used to represent data that occurs over a continuous period of time.

Use a stacked chart to display the total value of multiple series.

Use a 100 percent stacked chart to show relative proportions between multiple series.

Help < Back Next > Cancel



- [11] You will then be presented with the “*Arrange fields*” screen. Double-click on the **BikeName** and **BikeSales** entries in the “*Available fields*” list. The items will automatically populate the “*Categories*” and “*Values*” areas. Click on the **NEXT** button to continue.

New Table or Matrix

Arrange fields

Arrange fields to group data in rows, columns, or both, and choose values to display. Data expands across the page in column groups and down the page in row groups. Use functions such as Sum, Avg, and Count on the fields in the Values box.

Available fields

- BikeName
- BikeSales

Column groups

Row groups

- BikeName

Values

- Sum(BikeSales)

Help < Back Next > Cancel

[12] You'll then see the "*Preview*" screen. Click on the **FINISH** button.

New Chart ×

Preview

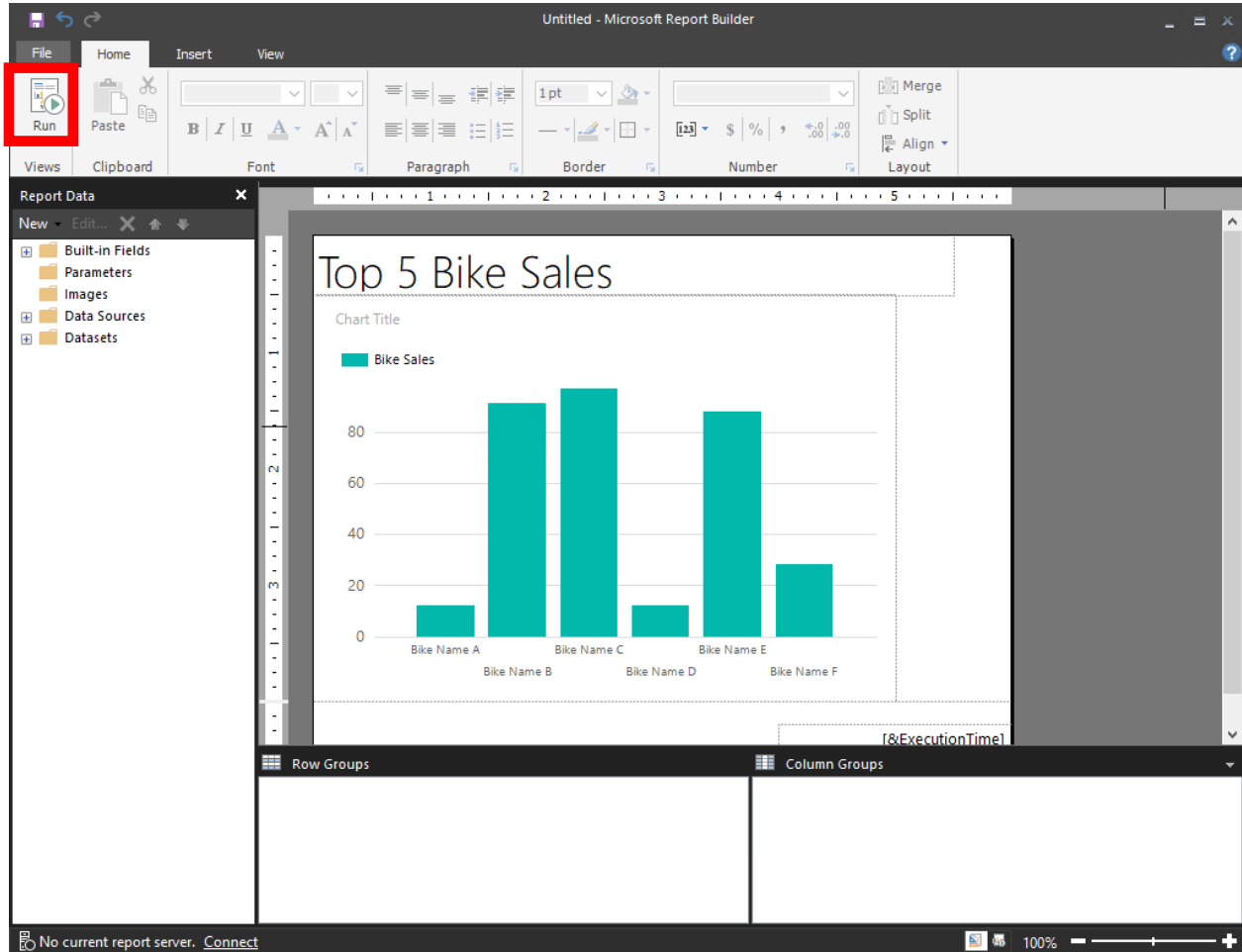
Preview the report item being created. You can customize the fonts, color schemes and style after you finish the wizard.

Chart Title

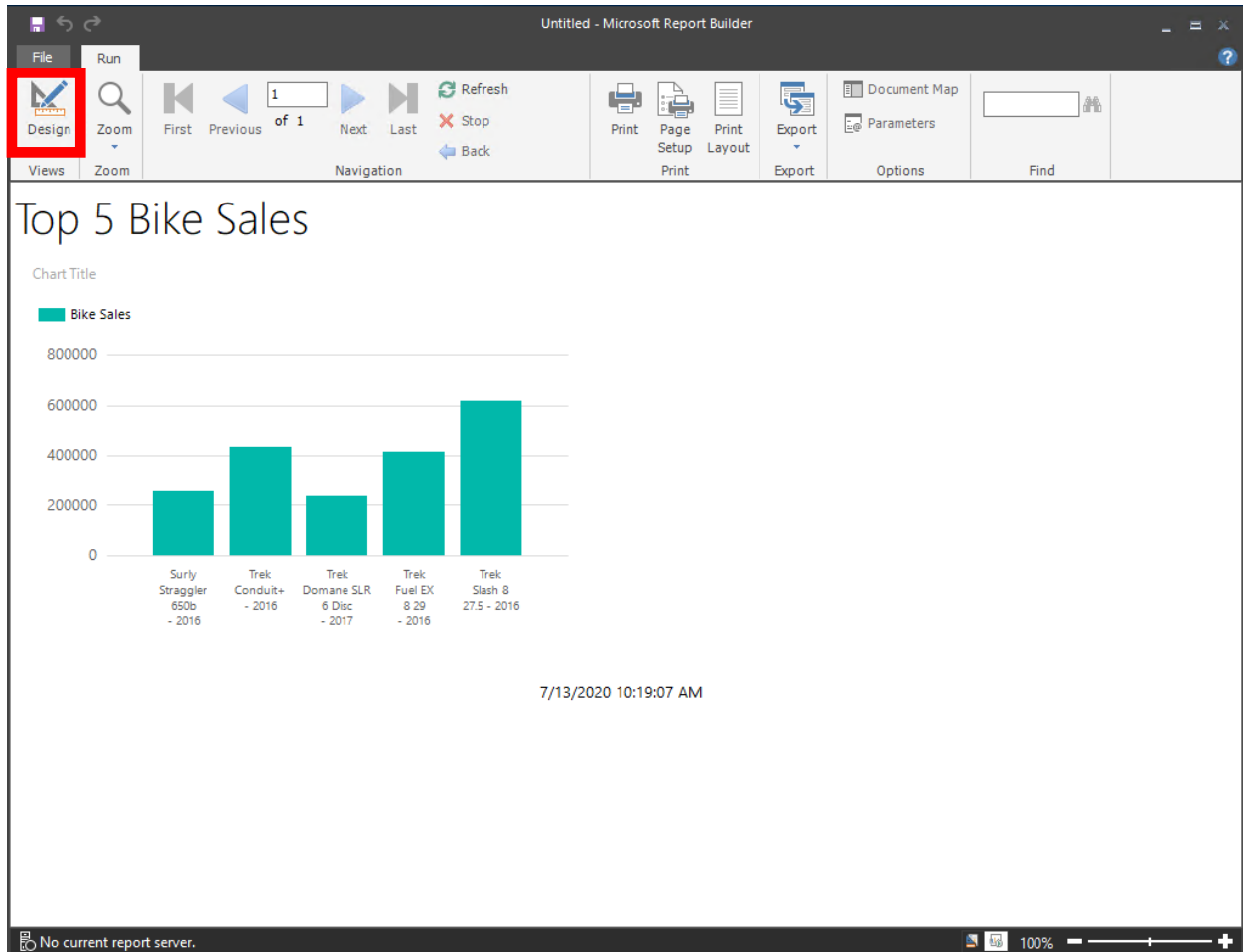
Bike Name	Bike Sales
Bike Name A	10
Bike Name B	85
Bike Name C	90
Bike Name D	10
Bike Name E	85
Bike Name F	25

Help < Back Finish >> Cancel

- [13] The configured report screen will then be presented in the main Report Builder window. You can add a title as specified on the screen. Click on the **RUN** button in the upper left corner of the window to test out the report.



[14] The generated report should look similar to what is provided below. Take a screenshot of your generated report as proof of report completion for the assignment. Incorporate the screenshot into your assignment document. Then click on the **DESIGN** button in the upper left corner of the window to return to the main Report Builder screen.



- [15] Save the Report Builder file via **FILE-->SAVE AS** from the top menu. Provide an applicable file name for the Report Builder file. You can then exit from the Report Builder application.

