CREATING A BIKESTORES BAR CHART REPORT
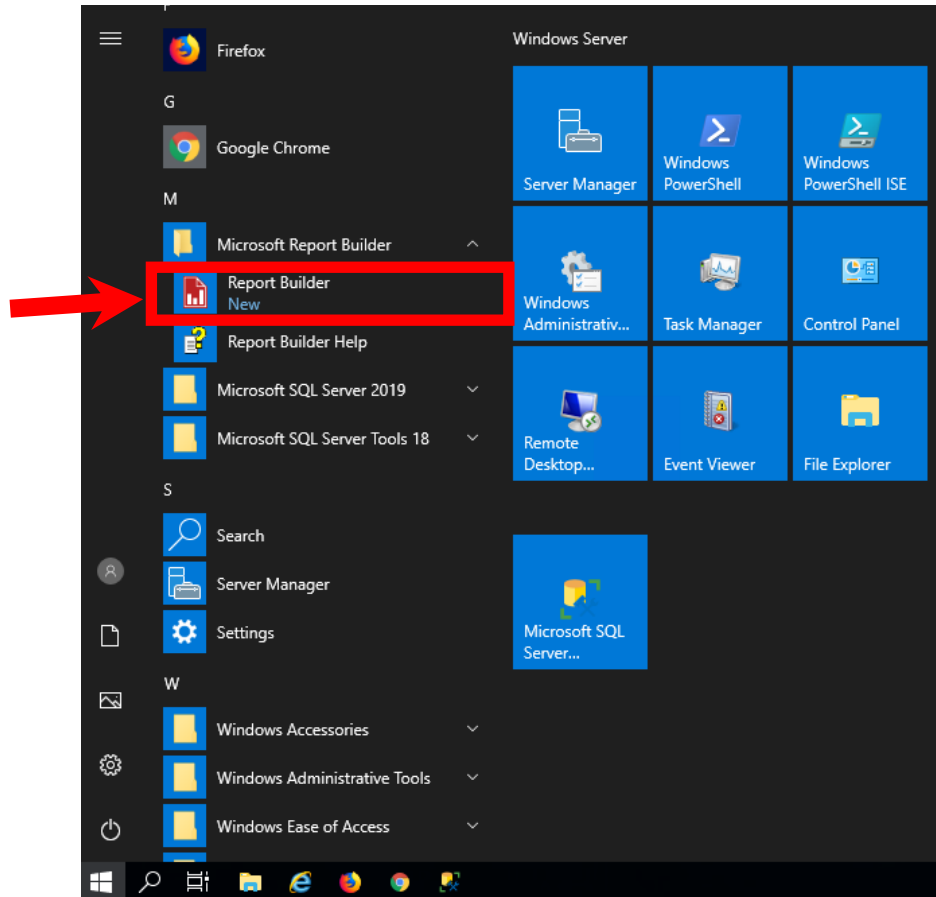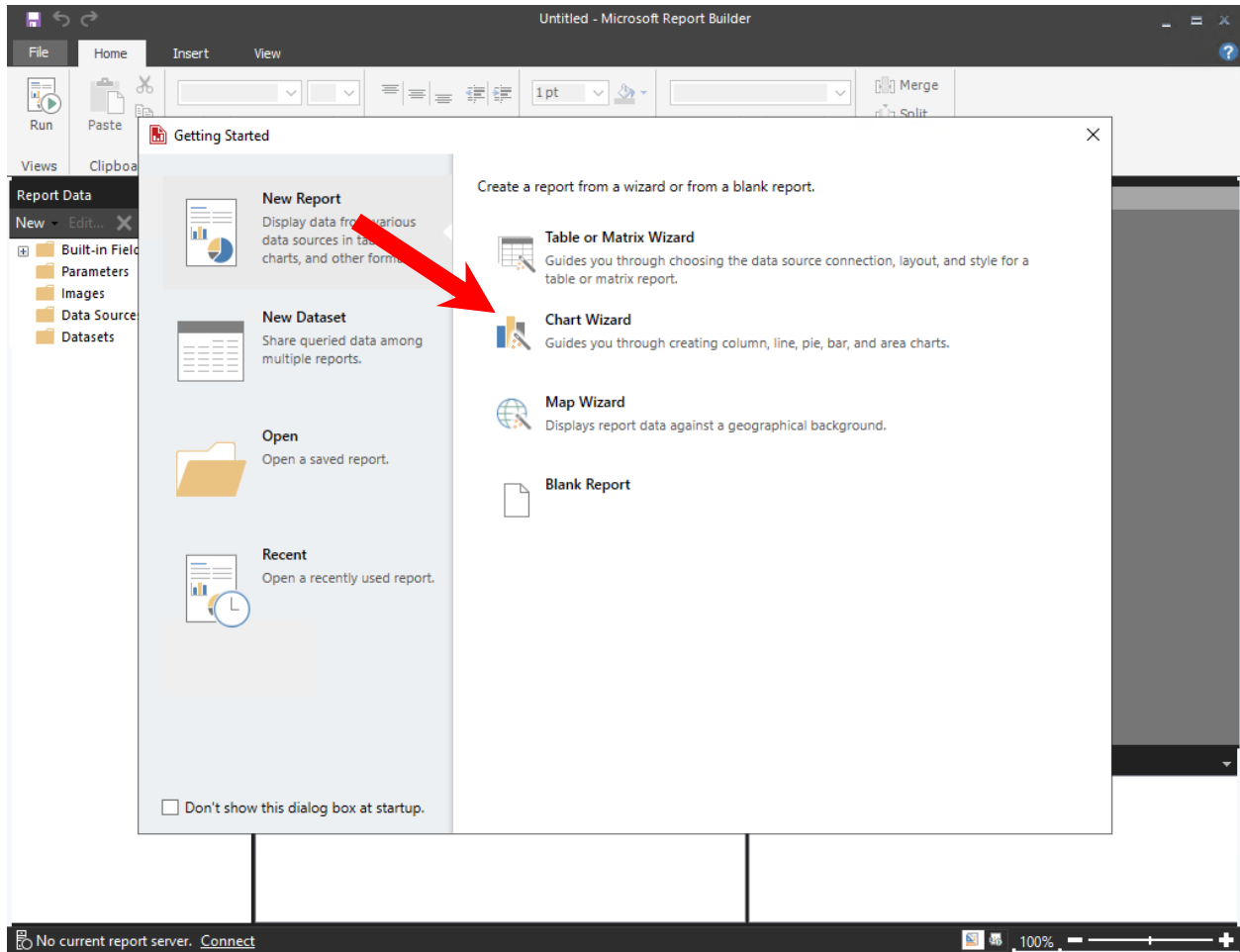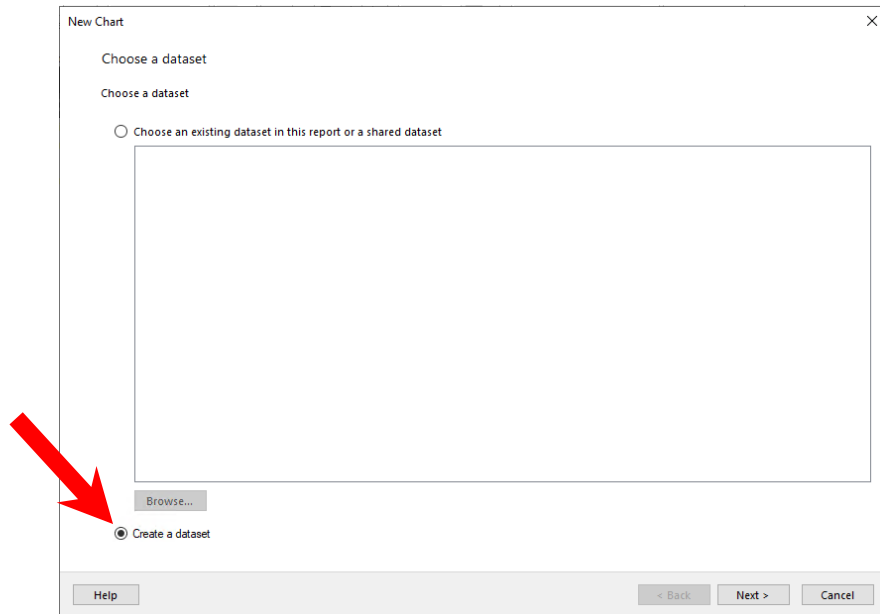
[1]   To start the Microsoft Report Builder application, access the Windows Start menu and select the Microsoft Report Builder folder.
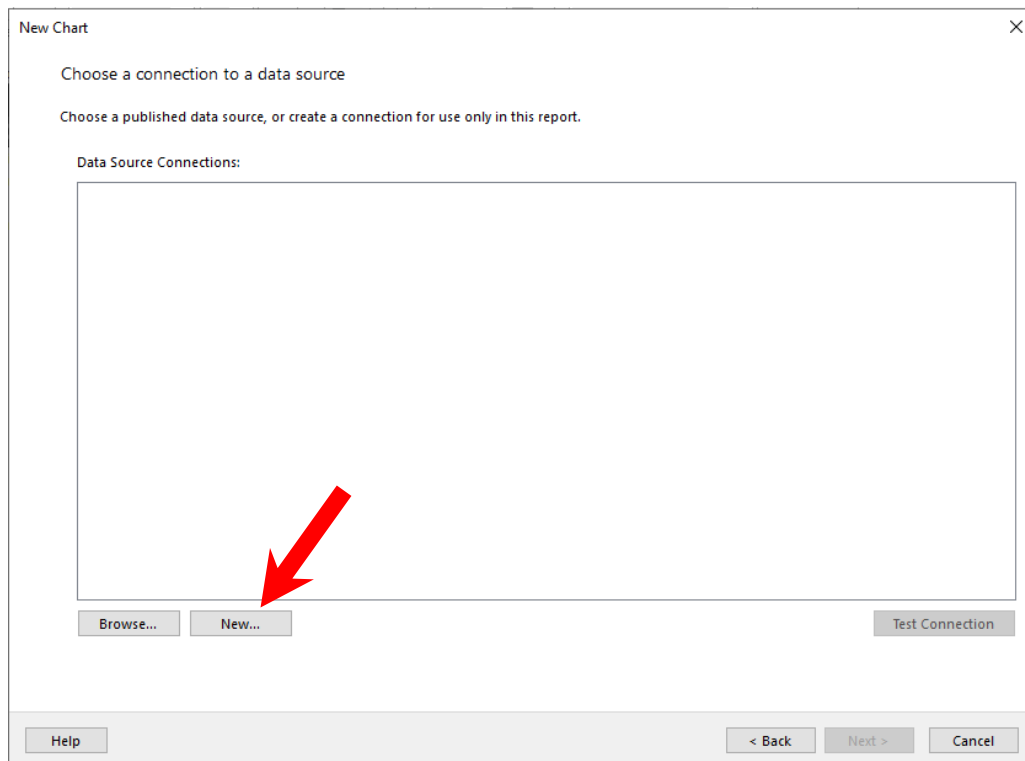
[2]   You'll then see the ***Getting Started*** screen in Microsoft Report Builder. Click on the
       Chart Wizard option.

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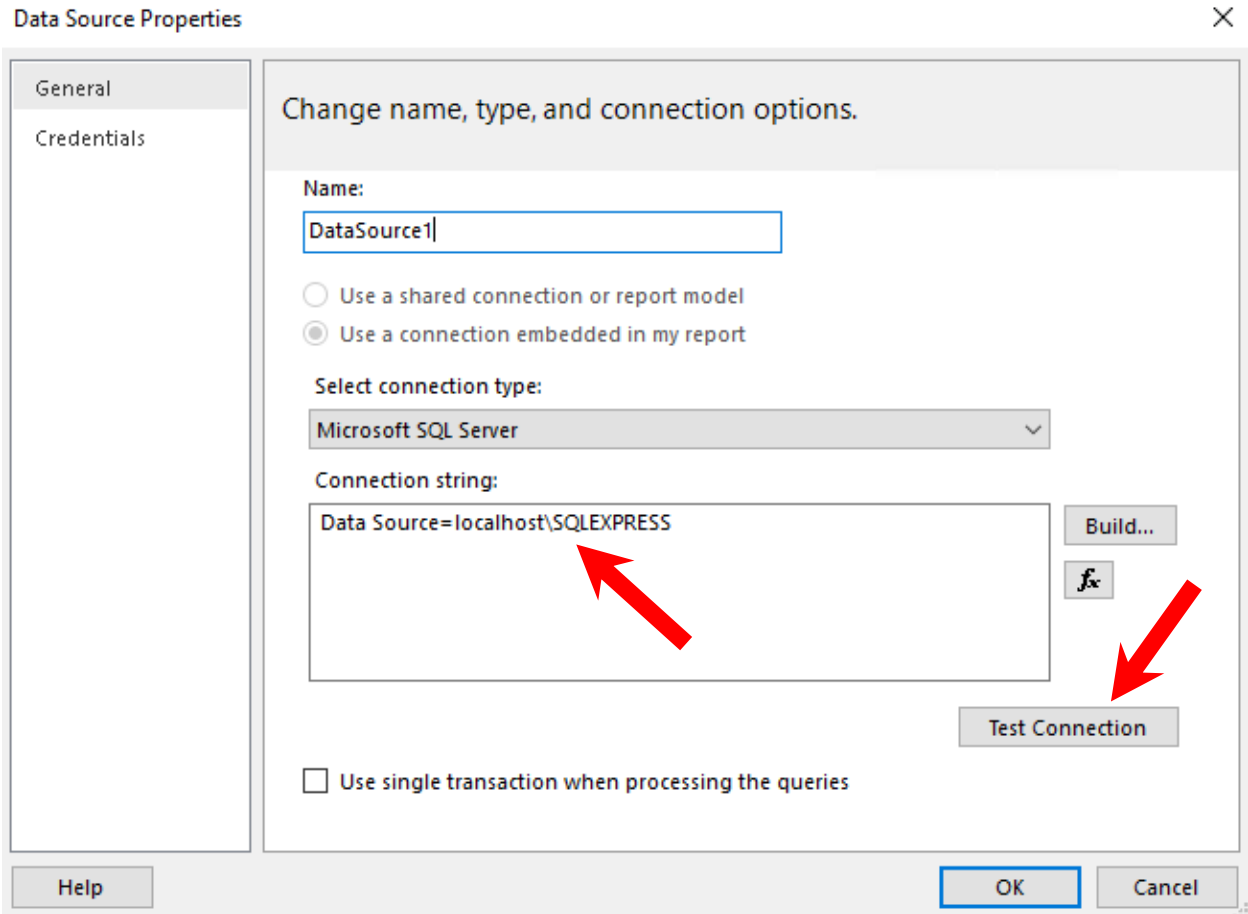

[4]   You will then see a screen asking for you the "*Choose a connection to a data source*." Click on the **NEW** button.

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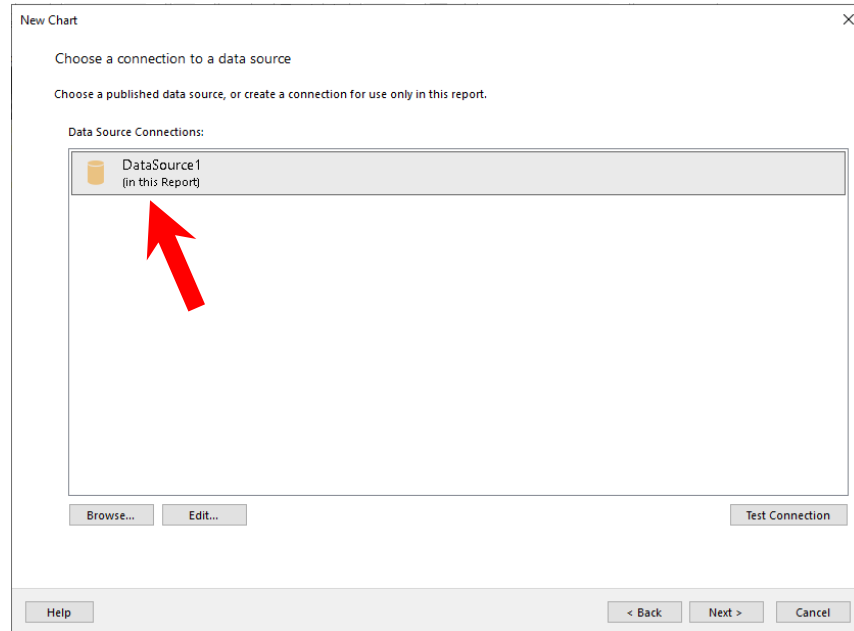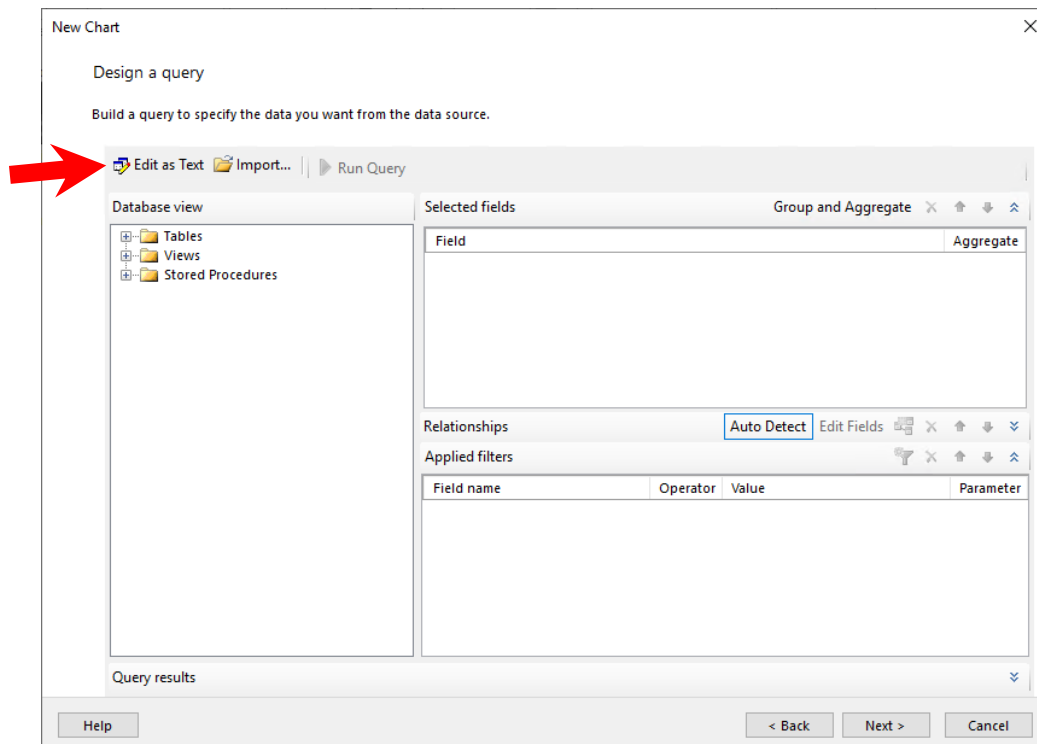
[6]   You'll be returned to the "***Choose a connection to a data source screen***." Make sure the new data source entry is highlighted and then click on the **NEXT** button to continue.

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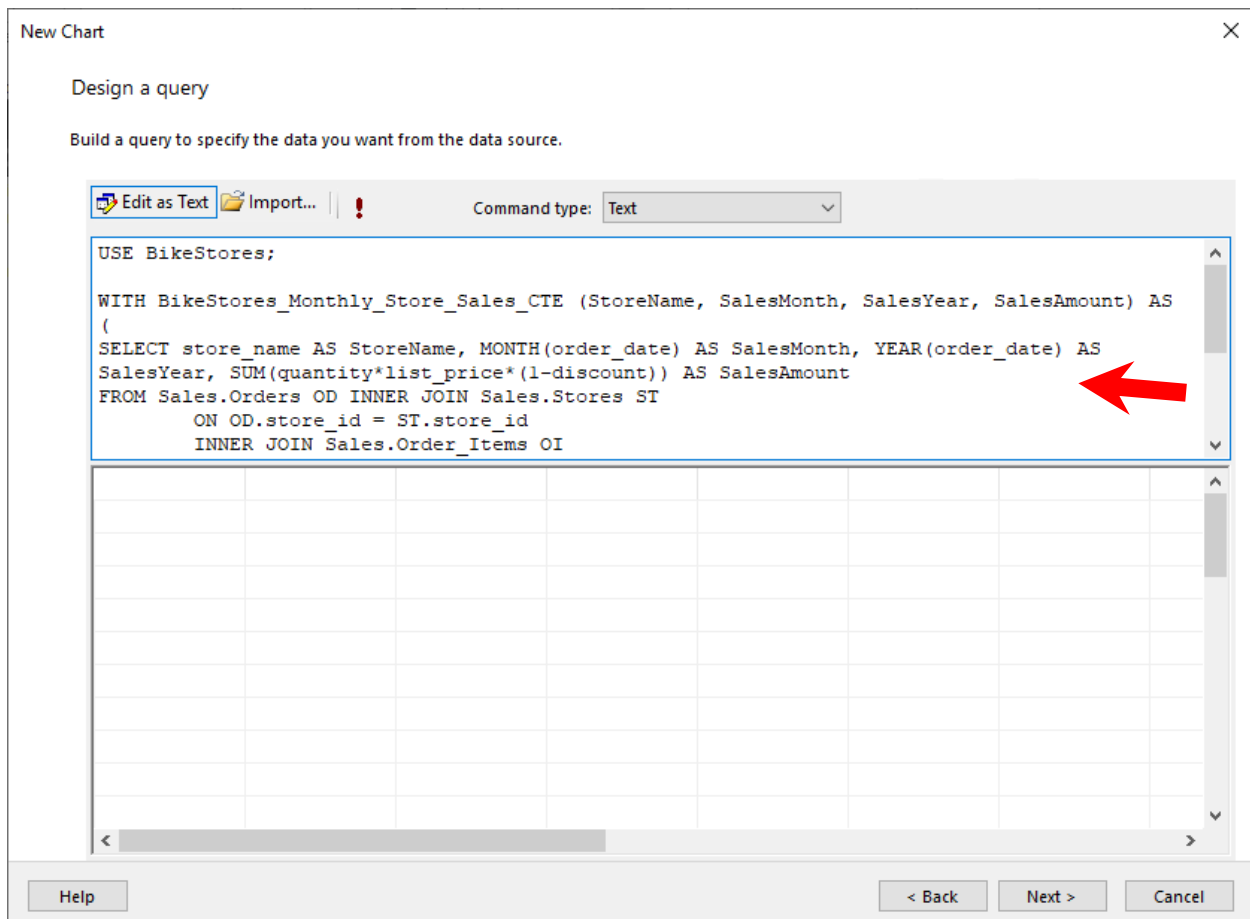
[8]   In the provided text field area, enter the following SQL statements:

```
USE BikeStores;

WITH BikeStores_Monthly_Store_Sales_CTE (StoreName, SalesMonth,
SalesYear, SalesAmount) AS
(
SELECT store_name AS StoreName, MONTH(order_date) AS SalesMonth,
YEAR(order_date) AS SalesYear, SUM(quantity*list_price*(1-discount)) AS
SalesAmount
FROM Sales.Orders OD INNER JOIN Sales.Stores ST
        ON OD.store_id = ST.store_id
        INNER JOIN Sales.Order_Items OI
        ON OD.order_id = OI.order_id
GROUP BY store_name, MONTH(order_date), YEAR(order_date)
)

SELECT StoreName, SalesMonth, SalesAmount
FROM BikeStores_Monthly_Store_Sales_CTE
WHERE SalesYear = 2017
ORDER BY StoreName, SalesMonth;
```

[9]   Click on the exclamation point (!) to execute and test the entered SQL code. A total
        of 36 records should be returned from the SQL statements. Then click on the **NEXT**
        button to continue.

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

[11]   You will then be presented with the "***Arrange chart fields***" screen. Left-click on the ***StoreName*** item with your mouse and drag it to the ***Series*** area. Left-click on the ***SalesMonth*** item with your mouse and drag it to the ***Categories*** area. Left-click on the ***SalesAmount*** item with your mouse and drag it to the ***Values*** area.   The item placement should look like what is presented below. Click on the **NEXT** button to continue.
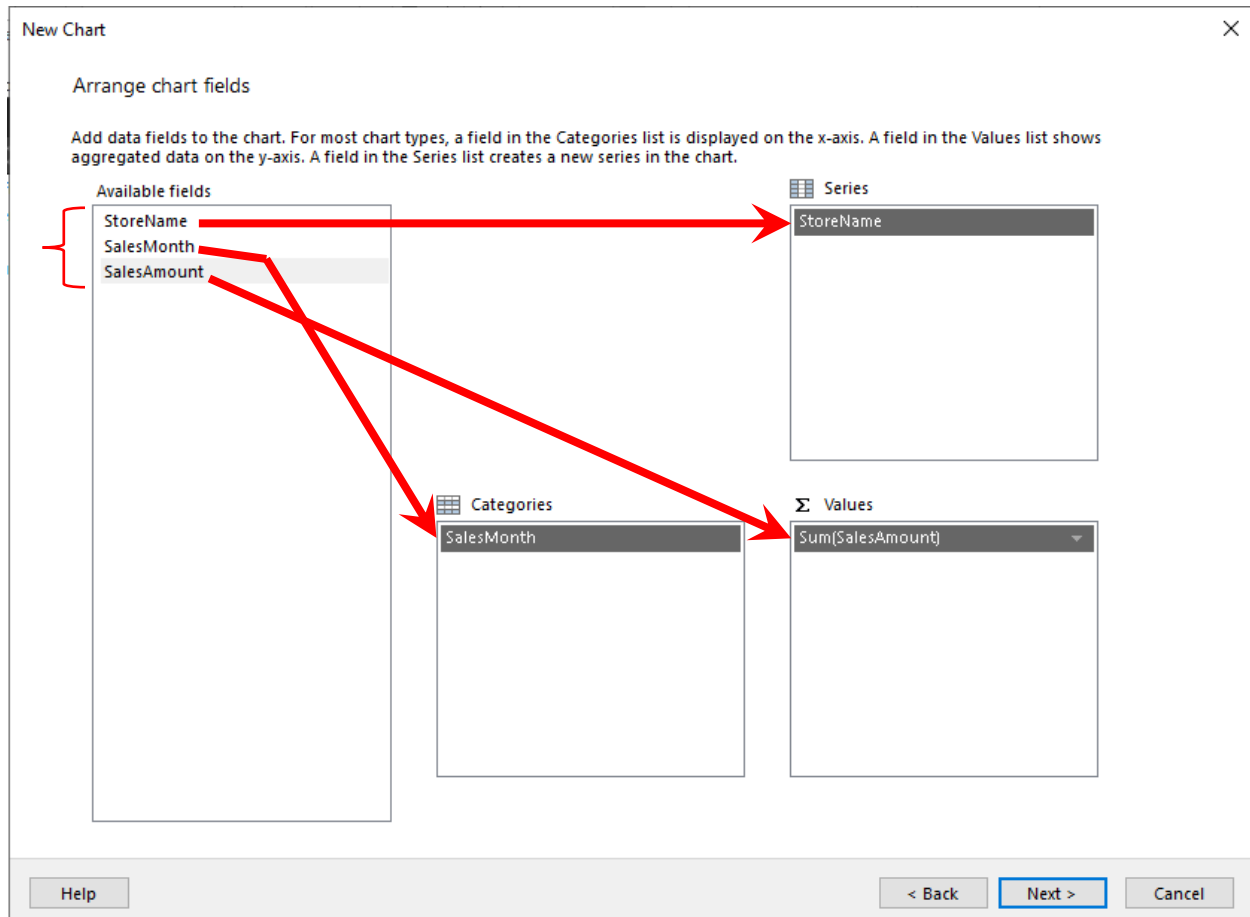
[12]   You'll then see the "*Preview*" screen. Click on the **FINISH** button.

[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. Right-click over the sales month items in the vertical axis of the chart. Select the **Vertical Axis Properties** item in the right-click menu.
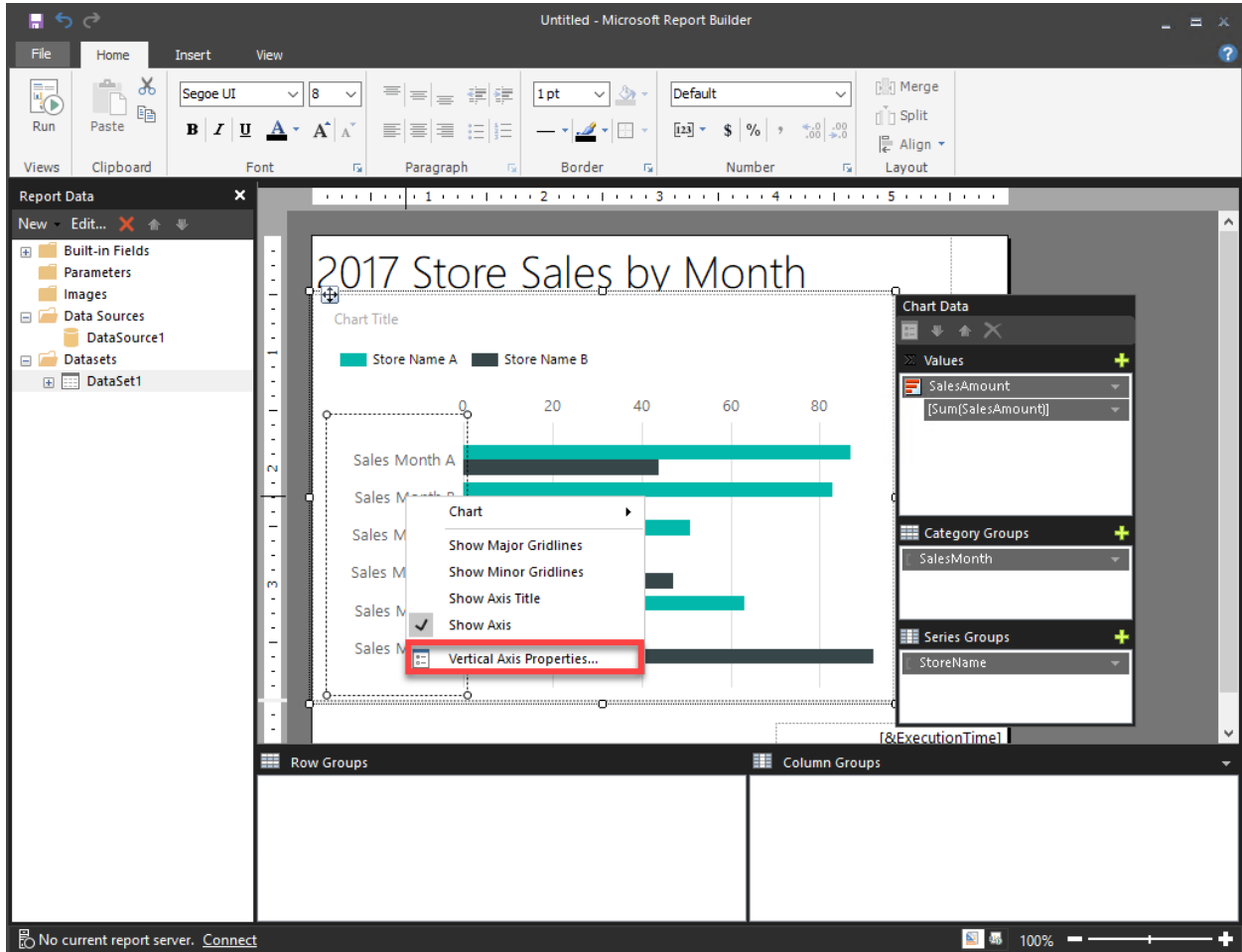
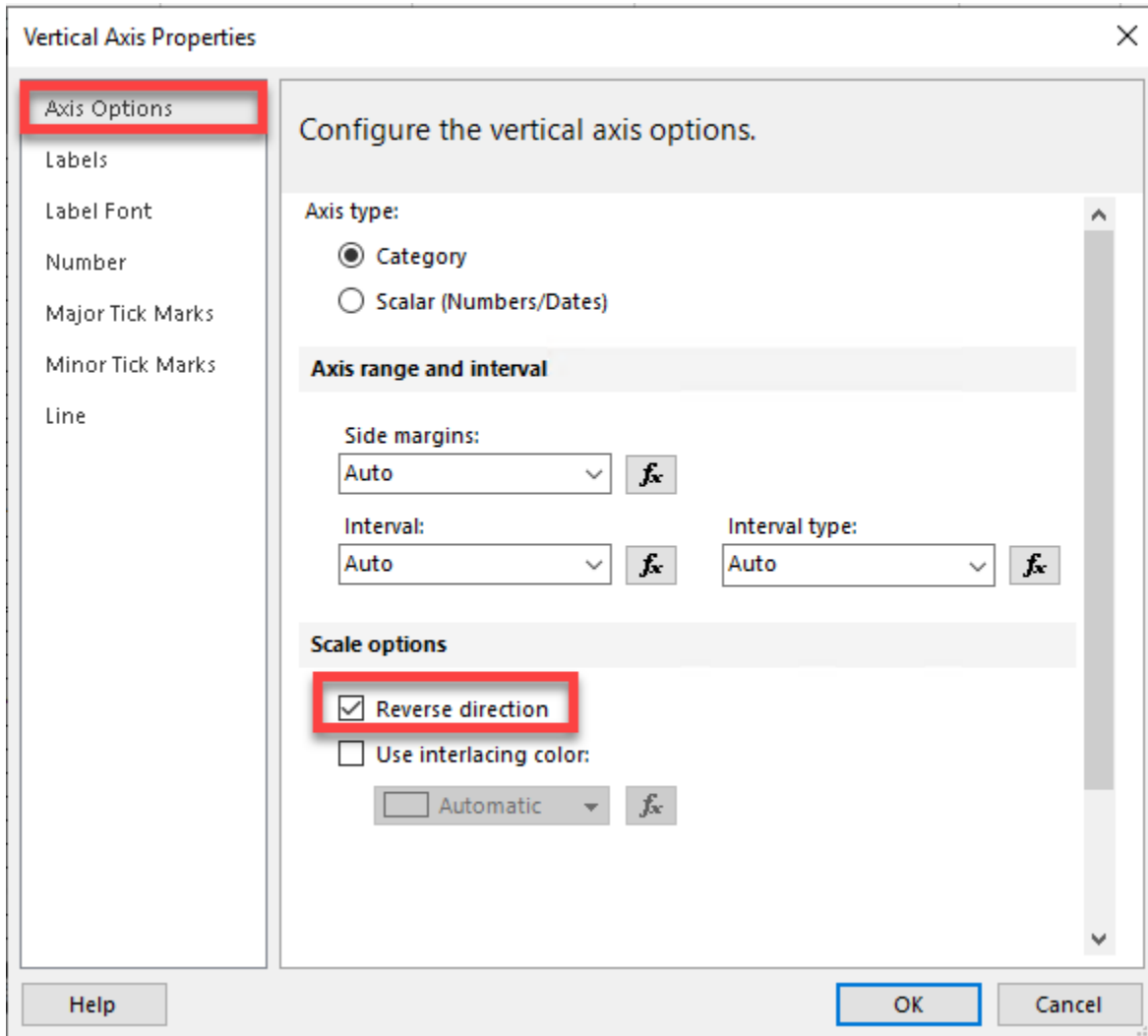[14]   You'll then see the ***Vertical Axis Properties*** window. In the ***Axis Options*** area, place a checkmark next to the "***Reverse Direction***" item. Click on the **OK** button to implement the change.

[15]   In the main Report Builder window, click on the **RUN** button in the upper left corner of the window to test out the report.
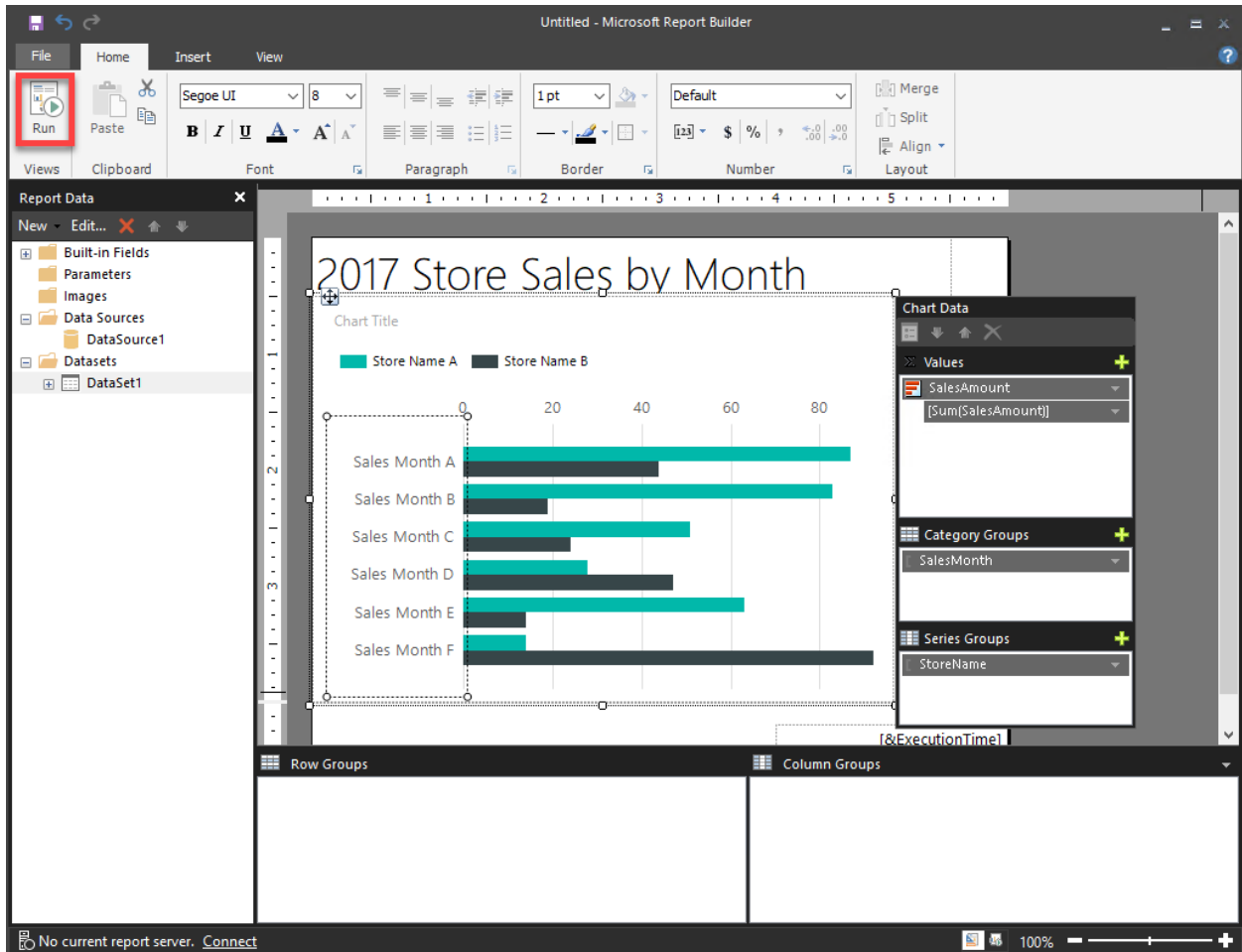
[16] The generated report should look similar to what is provided below. Take a screenshot of your generated report as proof of report completion for the assignment. Incorporate the screenshot into your assignment document. Then click on the **DESIGN** button in the upper left corner of the window to return to the main Report Builder screen.
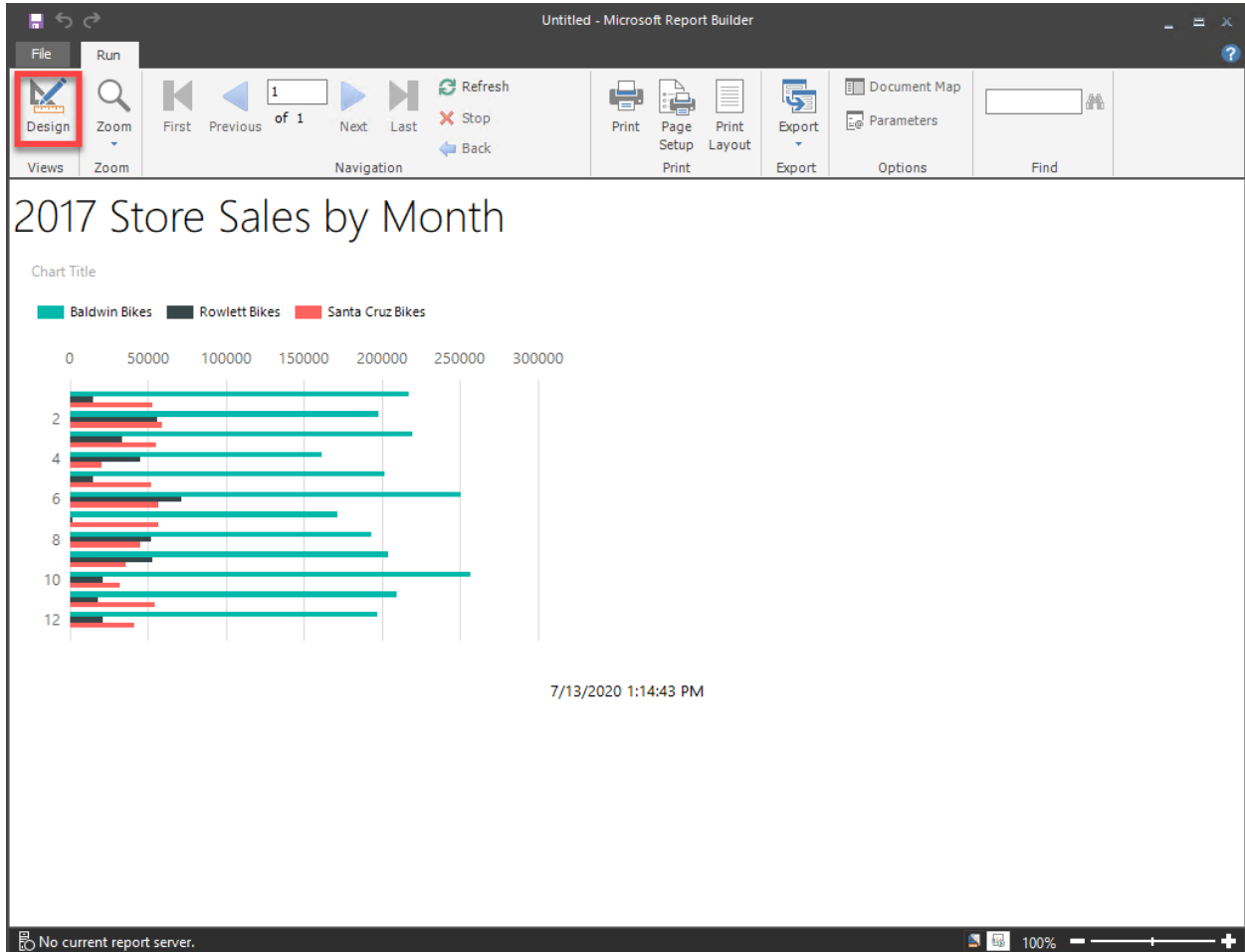
[17] Save the Report Builder file via **FILE-->SAVE AS** from the top menu. Provide an applicable file name for the Report Builder file. You can then exit from the Report Builder application.