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.

New Chart	×
Choose a dataset	
Choose a dataset	
Choose an existing dataset in this report or a shared dataset	
Brows	
C reale a raisser	
Help < Back Next > Cancel	1
	New Chart Choose a dataset Choose a dataset Choose an existing dataset in this report or a shared dataset Browse © Create a dataset Terowse © Create a dataset

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

New Chart	×
Choose a connection to a data source	
Choose a published data source, or create a connection for use only in this report.	
Data Source Connections:	
Browse New Test Connection	
Help < Back Next > Cancel	

[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.

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Data Source	Properties
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General Credentials	Change name, type, and connection options.
Credentials	Name: DataSource1 Use a shared connection or report model Use a connection embedded in my report Select connection type: Microsoft SQL Server ~ Connection string:
	Data Source=localhost\SQLEXPRESS Build fx Test Connection Use single transaction when processing the queries
Help	OK Cancel
	Test Connection Result X



[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.

New Chart	×
Choose a connection to a data source	
Choose a published data source, or create a connection for use only in this report.	
Data Source Connections:	
DataSource1 (in this Report)	
Browse Edit	Test Connection
Help < Back	Next > Cancel

[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.

Design a guery							
Build a query to specify the data you v	vant from the data source.						
📑 Edit as Text 🛛 😭 Import	🖗 Run Query						
Database view	Selected fields		Group	and Aggreg	jate 🔅	< 1	•
⊕- [™] Tables ⊕- [™] Views ⊕- [™] Stored Procedures	Field					A	ggre
	Relationships		Auto Detect	Edit Fields	49)	< 1	
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	Field name	Operator	Value			F	Paran
	Applied filters Field name	Operator	Value		¥)	< 1	

[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;
```

New Cha	ırt							×
D								
De	esign a query							
Bu	ild a query to specif	y the data you want	from the data sour	ce.				
	🤯 Edit as Text 📔	Import	Comman	d type: Text	~			
	USE BikeStor	es;						^
	WITH BikeSto	res_Monthly_S	Store_Sales_C	TE (StoreName	, SalesMonth,	SalesYear,	SalesAmount)	AS
	(SELECT store	_name AS Stor	eName, MONTH	(order_date)	AS SalesMonth	, YEAR(order	date) AS	
	SalesYear, S FROM Sales.O	UM(quantity*1 rders OD INNE	list_price*(l R JOIN Sales	-discount)) A .Stores ST	S SalesAmount	;		
	ON O INNE	D.store_id = R JOIN Sales.	ST.store_id Order Items (DI				~
								^
								~
	<							>
Help	2					< Back	Next >	Cancel

[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.

New Cha	art				×
De	esign a query				
Bu	ild a quanto spacif	with a data you wan	t from the data cour	70	
bu	niù a query to spech	ly the data you wan			
	🤣 Edit as Text 📔	lmport 📋 🛔 🕌	Command	d type: Text 🗸	
	USE BikeStor	es:			~
	WITH BikeSto	res_Monthly_	Store_Sales_C1	IE (StoreName, SalesMonth, SalesYear, SalesAmount) AS	
	SELECT store	_name AS Stor	reName, MONTH	(order_date) AS SalesMonth, YEAR(order_date) AS	
	SalesYear, S	UM(quantity*)	list_price*(1-	-discount)) AS SalesAmount	
	ON C	D.store id =	ST.store id	Stores SI	
	INNE	R JOIN Sales	Order_Items (IC	~
	StoreName	SalesMonth	SalesAmount		^
	Baldwin Bikes	1	217406.6490		
	Baldwin Bikes	2	197814.7258		
	Baldwin Bikes	3	219582.6878		
	Baldwin Bikes	4	161639.9347		
	Baldwin Bikes	5	201407.9959		
	Baldwin Bikes	6	250491.8029		
	Baldwin Bikes	7	171303.2829		
	Baldwin Bikes	8	193430.8581		
	Baldwin Bikes	9	203956.7509		
	Baldwin Bikes	10	256674.0375		
	Baldwin Bikes	11	209155.0894		~
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eit					

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

	Column
	A column chart displays a series as a set of vertical bars grouped by category. Column charts are useful for illustrating comparisons and
1	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 c
	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 p
	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.

[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.

Vertical Axis Properties		×
Axis Options Labels	Configure the vertical axis options.	
Label Font Number Major Tick Marks Minor Tick Marks Line	Axis type: Category Scalar (Numbers/Dates) Axis range and interval Side margins: Auto \checkmark fx Interval: Auto \checkmark fx Auto \checkmark fx Scale options Reverse direction	^
Help	Use interlacing color: Automatic v fx OK Car	↓ ncel

[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.

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[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.

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Publish Report Parts] Store Name B	L
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	Doptions X Exit Report Builder		
	Sales Month D Sales Month E Sales Month F		l
	Row Groups	Column Groups	Ţ
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Save As Report			\times
Look in:	C:\Users\student\Documents\IT-350\BikeStores		~ 🎦
Recent Sites and Servers Desktop My Documents My Computer	b) Unit-7-Column-Chart-Report.rdl b) Unit-7-Pie-Chart-Report.rdl		
	Name:	Unit-7-Bar-Chart-Report.rdl	Save
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