How can I create a bar chart in VBA, and what is an example of how it can be used?

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A bar chart is a graphical representation of data that uses bars of varying lengths to show the magnitude of different values. In VBA, a bar chart can be created using the "Bar" method of the "Chart" object. This method allows the user to specify the data range, chart type, and other formatting options. An example of how a bar chart can be used in VBA is to compare sales data for different products over a period of time. The bars would represent the sales figures for each product, and the chart can be further customized with labels, titles, and other design elements. This can help visualize the performance of each product and identify any trends or patterns.

Create a Bar Chart in VBA (With Example)

You can use the following basic syntax to create a bar chart in Excel by using VBA:

```
Sub CreateBarChart()

Dim MyChart As ChartObject

'get input range from user
Set Rng = Application.InputBox(Prompt:="Select chart input range", Type:=8)

'create bar chartSet MyChart = Worksheets("Sheet1").ChartObjects.Add(Left:=ActiveCell.Left, _
Width:=400, Top:=ActiveCell.Top, Height:=300)
MyChart.Chart.SetSourceData Source:=Rng
MyChart.Chart.ChartType = xlColumnClustered
```

```
End Sub
```

This particular macro will prompt the user for an input range, then automatically generate a bar chart using the input range and insert it into the sheet called Sheet1 with the top left corner of the chart located in the currently active cell.

The following example shows how to use this macro in practice.

Example: How to Create a Bar Chart in VBA

Suppose we have the following dataset in Excel that contains information about points scored by various basketball players:

	A	B	C	D	E	F
1	**Team**	**Points**				
2	Mavs	22				
3	Nets	40				
4	Spurs	23				
5	Lakers	28				
6	Rockets	25				
7	Heat	18				
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Suppose we would like to use VBA to generate a bar chart using this dataset.

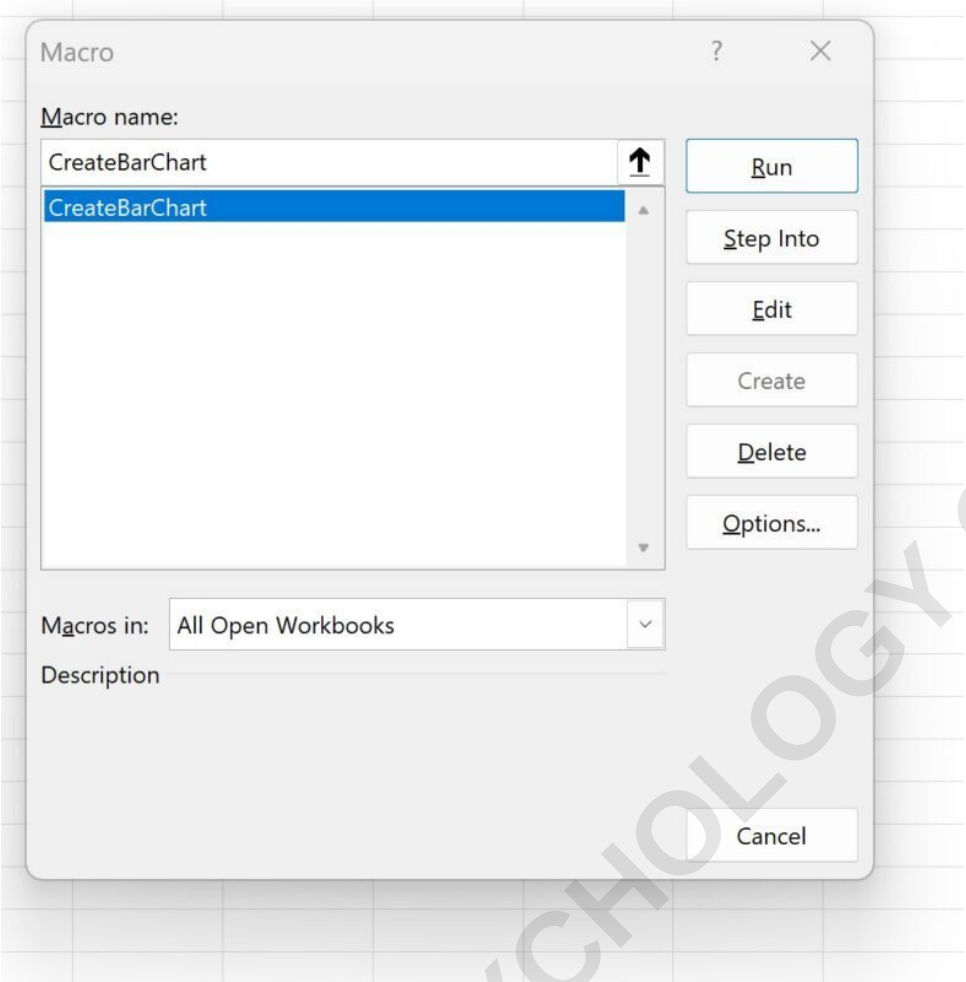
We can create the following macro to do so:

```
Sub CreateBarChart()

Dim MyChart As ChartObject

'get input range from user
Set Rng = Application.InputBox(Prompt:="Select chart input range", Type:=8)
```

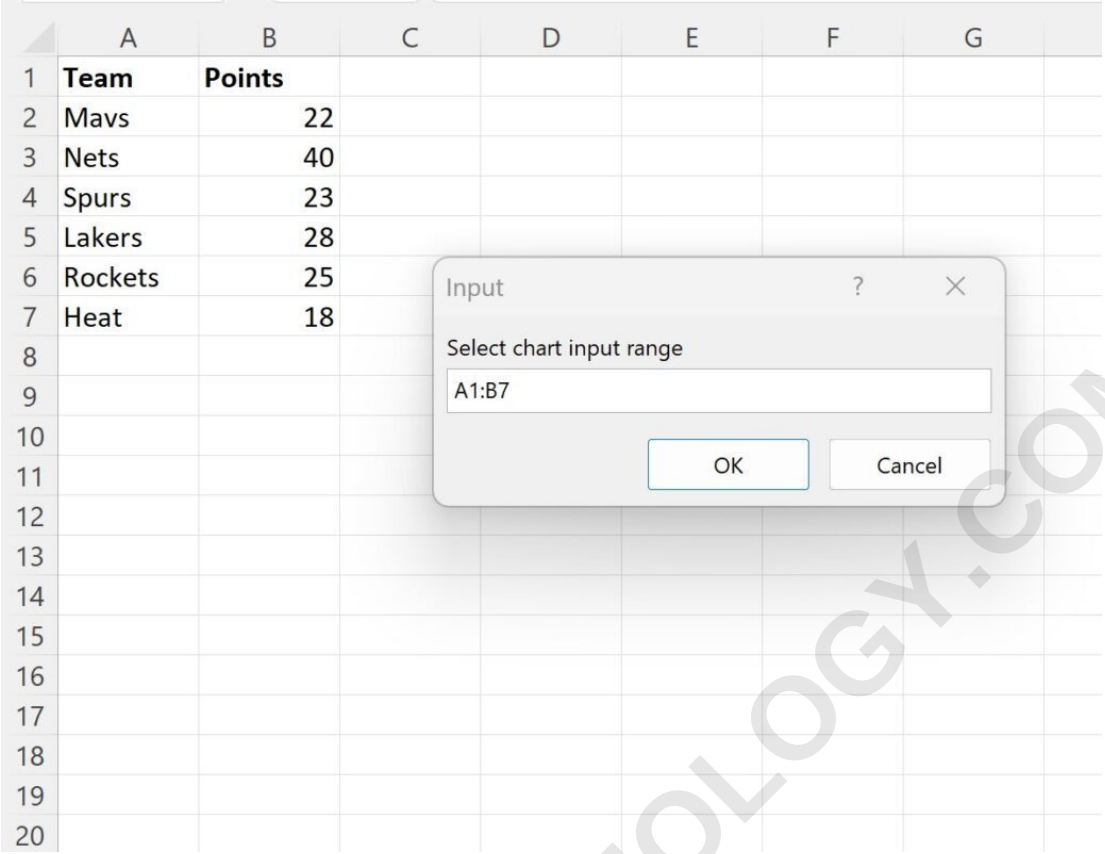
```
'create bar chartSet MyChart = Worksheets("Sheet1").ChartObjects.Add(Left:=ActiveCell.Left, _
Width:=400, Top:=ActiveCell.Top, Height:=300)
MyChart.Chart.SetSourceData Source:=Rng
MyChart.Chart.ChartType = xlColumnClustered

End Sub
```

To run this macro, we can click on the Developer tab along the top ribbon in Excel, then click Macros.

We can then click the one titled CreateBarChart and then click Run:

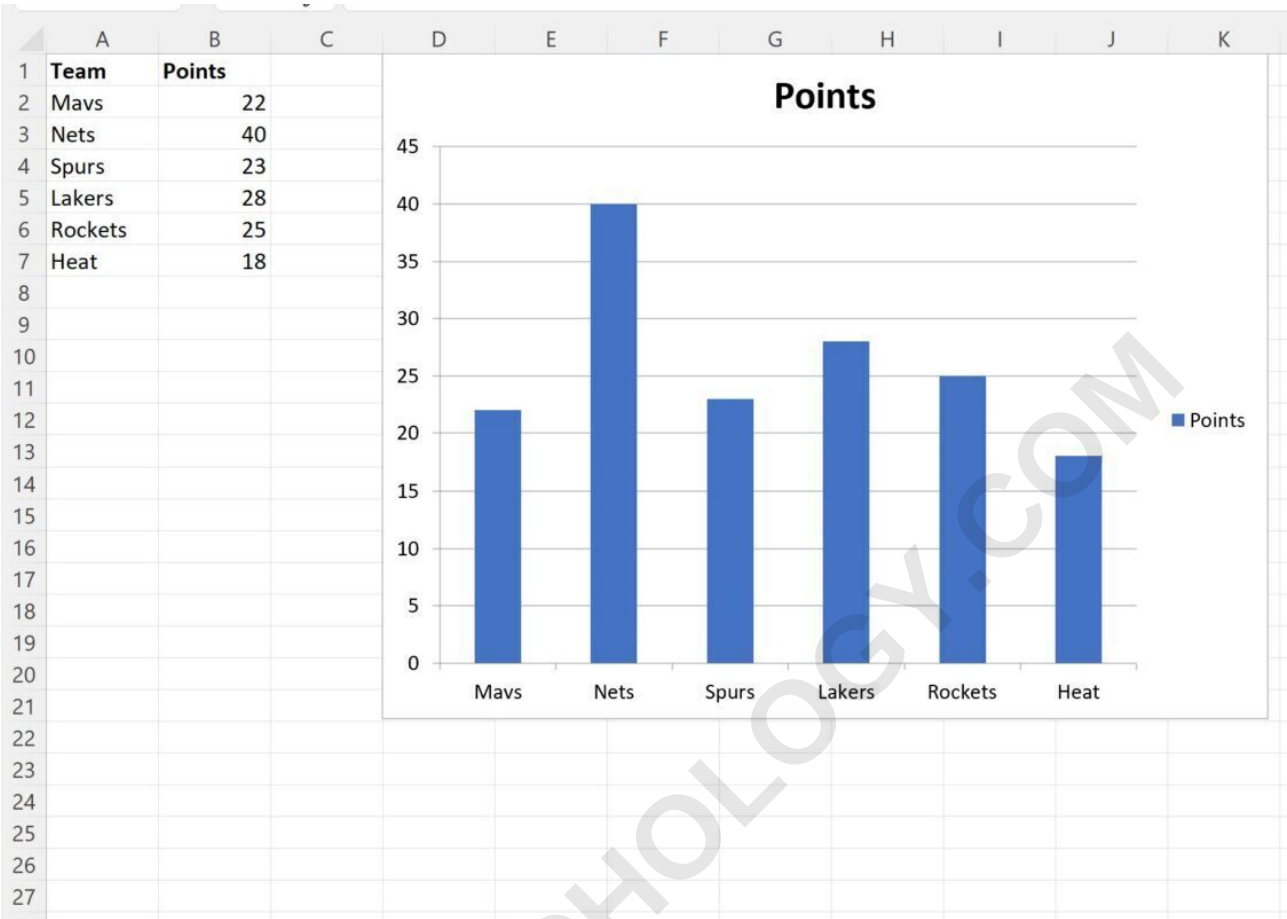


Once we click Run, we will be prompted for an input range for our bar chart:



We will type A1:B7, then press OK.

The following bar chart will automatically be created and displayed with the top left corner of the chart located in the currently active cell, which happens to be cell D1:



Note: You can change the values for the Width and Height arguments in the ChartObjects.Add() function to adjust the width and height of the bar chart, respectively.