VBA - Programming Charts

Using VBA, we will be able to do generate Charts based on certain criteria. Let us take a look at it with an example.

Step 1 : First Enter the data against which the graph has to be generated.

Year	Fuel Usage in Million Cubic Meters
1980	185.5
1990	214.1
2000	467.34
2010	1023.77

Step 2 : Let us create 3 buttons one to generate Bar graph, pie Chart, Column Chart.

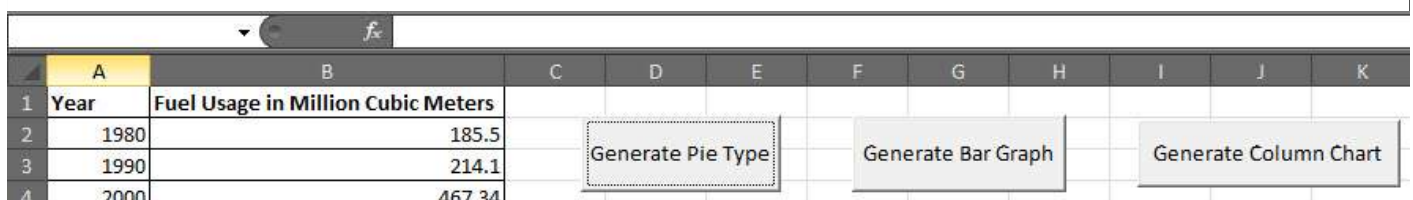| Generate Pie Type	Generate Bar Graph	Generate Column Chart

Step 3 : Now let us develop a Macro to generate each one of these type of charts

```
' Procedure to Generate Pie Chart
Private Sub fn_generate_pie_graph_Click()
    Dim cht As ChartObject
    For Each cht In Worksheets(1).ChartObjects
        cht.Chart.Type = xlPie
    Next cht
End Sub


' Procedure to Generate Bar Graph
Private Sub fn_Generate_Bar_Graph_Click()
    Dim cht As ChartObject
    For Each cht In Worksheets(1).ChartObjects
        cht.Chart.Type = xlBar
    Next cht
End Sub

' Procedure to Generate Column Graph
Private Sub fn_generate_column_graph_Click()
    Dim cht As ChartObject
    For Each cht In Worksheets(1).ChartObjects
        cht.Chart.Type = xlColumn
    Next cht
End Sub
```

Step 4 : Upon clicking on the corresponding button, that chart is created. In the below output we have clicked on generate Pie Chart button.

Year	Fuel Usage in Million Cubic Meters									
1980	185.5		Generate Pie Type			Generate Bar Graph			Generate Column Chart	
1990	214.1									
2000	467.34									

| 5 | 2010 | 1023.77 |

Fuel Usage

■ 1980 ■ 1990 ■ 2000 ■ 2010