**Assignment 21**

1. **Write a VBA code to enter your name in A1 Cell using Input Box and**

**once you enter the name display a message box that says the name**

**has been entered.**

Sub EnterName()

Dim userName As String

Dim message As String

userName = InputBox("Enter a name:", "Name Entry")

If userName <> "" Then

Sheets("Sheet1").Range("A1").Value = userName

message = "The name '" & userName & "' has been entered."

MsgBox message, vbInformation, "Name Entered"

End If

End Sub

**2. What are Userforms? Why are they used? How to fill a list box using**

**for loop.**

1. powerful tool for creating custom dialog boxes or forms that allow you to interact with users. It provides visual interface that can include various controls such as text boxes, labels, buttons, combo boxes, checkboxes, and more and used to gather information from users, display information, and perform actions based on user input.
2. Steps :
3. Create the UserForm
4. Access the Code for the UserForm
5. Code :

Private Sub UserForm\_Initialize()

Dim i As Integer

Dim itemCount As Integer

itemCount = 10

' Loop to add items to the ListBox

For i = 1 To itemCount ListBox1.AddItem "Item " & i

Next i

End Sub

d. Test the UserForm

**3. What is an array? Write a VBA code to enter students and their marks**

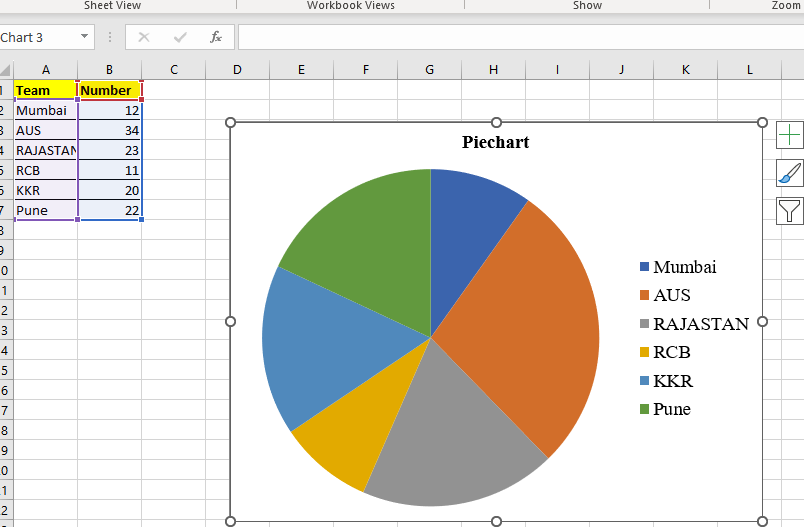
**from the below table.**

* Array is a data structure that can store multiple values of the same data type in a single variable.

**4. Use the following data to create a pie chart using VBA code. Use Font**

**- ‘Times new Roman’, Size -14, Bold, Title - Piechart’ and you are per**

**to use colours as per your taste.**

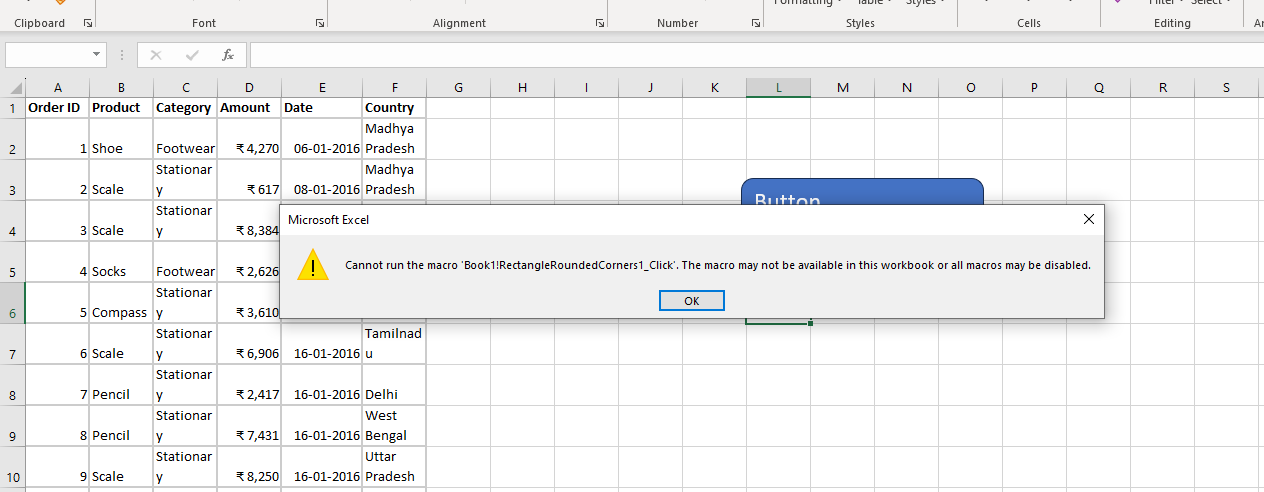


**5. Check the dataset in the link given below and create a pivot table using**

**VBA showing the sales for the year from stationary category.**

**https://docs.google.com/spreadsheets/d/1IRSEnmgz8Ro276-**

**GslknRNk0zlrB5CZH1YrnT71kqFM/edit?usp=sharing**



**( Laptop not supporting )**

**6. Write step by step procedure to protect your workbook using a**

**password.**

1. Open the Workbook

LT + F11

Insert > module

1. VBA Code :

Sub ProtectWorkbookWithPassword()

Dim ws As Worksheet

Dim wb As Workbook

Dim password As String

password = "YourPasswordHere"

Set wb = ThisWorkbook

wb.Protect Structure:=True, Windows:=False, Password:=password

End Sub

1. Run the Macro
2. Select ProtectWorkbookWithPassword
3. Confirm Password