**Excel 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.

Answer:

Sub Display\_Text()

Dim a As String

a = InputBox("Enter your name")

Cells(1, 1).Value = a

MsgBox "Name has been entered"

End Sub

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1. What are Userforms? Why are they used? How to ﬁll a list box using for loop.

Answer: Userform is a custom-built dialog box that makes up the part of an application’s interface.

It is useful feature as it makes a user data entry more controllable and easier to use for user. Userforms make the input and display of data clean and easy to understand. They also interact with the worksheets and can be used to put the data into and get the data from them. We can customize every part of the userform to get it to look like we want and say what we want.

Fill a list box using For loop :

3. What is an array? Write a VBA code to enter students and their marks from the below table.

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.

Answer: I have to create pivot table to run this code

Sub CreatePieChart()

Dim MyChart As ChartObject

'get input range from user

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

'create pie chart

Set MyChart = Worksheets("Sheet1").ChartObjects.Add(Left:=ActiveCell.Left, \_

Width:=400, Top:=ActiveCell.Top, Height:=300)

MyChart.Chart.SetSourceData Source:=Rng

MyChart.Chart.ChartType = xlPie

End Sub

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/1IRSEnmgz8Ro276GslknRNk0zlrB5CZH1YrnT71kqFM/edit?usp=sharing

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

Ans:

Sub Protect\_Password()

Sheets("protect\_data").Protect Password:="Aman2019"

End Sub