

**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.

InputBox(Prompt[Title][Default][Left][Top][HelpFile, HelpContextID][Type])

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

A User Form is a custom-built dialog box that makes a user data entry more controllable and easier to use for the user. In this chapter, you will learn to design a simple form and add data into excel.

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

An array is a single variable with many compartments to store values, while a typical variable has only one storage compartment in which it can store only one value. Refer to the array as a whole when you want to refer to all the values it holds, or you can refer to its individual elements.

Option Explicit

Sub showMarks()

Dim lastRow As Integer, idfound As String, rowno As Integer

idfound = "No"

lastRow = Worksheets("Source").Cells(Rows.Count, 1).End(xlUp).Row

Sheets("destination").Range("A5:K5").ClearContents

If Sheets("destination").Range("B1") = vbNullString Then

MsgBox "Student ID is blank.", vbInformation

Exit Sub

End If

For rowno = 2 To lastRow

If Sheets("destination").Range("B1") = Sheets("source").Range("A" & rowno) Then

idfound = "yes"

Sheets("source").Rows(rowno).Copy Sheets("destination").Range("A5")

Exit Sub

End If

Next

If idfound = "No" Then

MsgBox "ID not found", vbInformation

End If

End Sub

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.

Sub Create3DPieChart()

Dim WS As Worksheet

Set WS = Worksheets("Sheet1")

WS.Shapes.AddChart2(-1, xl3DPie).Select

ActiveChart.SetSourceData Source:=Range(WS.Name & "!$A$1:$B$6")

End Sub

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

1. Select **File** > **Info**.
2. Select the **Protect Workbook** box and choose **Encrypt with Password.**
3. Enter a password in the **Password** box, and then select **OK**.
4. Confirm the password in the **Reenter Password** box, and then select **OK**.