

Excel Assignment - 21

Q1 : 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.

Ans :

```
Sub ass()  
Range("a1") = "hasan"  
MsgBox "name has been entered"  
End Sub
```

Q2 : What are Userforms? Why are they used? How to fill a list box using for loop.

Ans :

1 . A UserForm object is a window or dialog box that makes up part of an application's user interface. The UserForms collection is a collection whose elements represent each loaded UserForm in an application. The UserForms collection has a Count property, an Item method, and an Add method.

2. Grammatically, they is used as a plural pronoun, a word that's used to describe multiple people, places, or things.

3 . Notice the list of methods that you can run that pops up as you type . You can clear away the items in the list or you can add to them. You can put an item inside the list, then put in i and close with a semicolon: **for (int i = 1 ; i < 10 ; i ++)**

Listbox.items.(whatever you want to do like add ,addrange ,count , equals ,

Findmytext etc)

Q3 : What is an array? Write a VBA code to enter students and their marks from the below table.

Ans : Sub Sheet_Fill_Array()

Dim myarray As Variant

myarray = Array("hasan", "hussain", "ali", "azhar", "farooq", "tausif", "javad", "sameer", "ziaul", "ashraf")

Range("a2:a11").Value = Application.Transpose(myarray)

myarray = Array(56, 30, 48, 20, 28, 68, 40, 58, 33, 35)

Range("b2:b11").Value = Application.Transpose(myarray)

myarray = Array(45, 74, 58, 12, 87, 78, 65, 45, 35, 34)

Range("c2:c11").Value = Application.Transpose(myarray)

myarray = Array(67, 39, 98, 23, 45, 79, 65, 45, 56, 84)

Range("d2:d11").Value = Application.Transpose(myarray)

myarray = Array(65, 24, 99, 34, 44, 36, 87, 78, 53, 83)

Range("e2:e11").Value = Application.Transpose(myarray)

myarray = Array(25, 67, 89, 67, 23, 47, 45, 37, 37, 84)

Range("f2:f11").Value = Application.Transpose(myarray)

myarray = Array(98, 87, 98, 46, 78, 48, 85, 45, 28, 98)

Range("g2:g11").Value = Application.Transpose(myarray)

myarray = Array("name", "english", "economic", "science", "maths", "o.c", "account")

Range("a1:g1").Value = (myarray)

End Sub

Q4 : 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.

Ans :

Charts.Add

ActiveChart.ChartType = xlPie

```
ActiveChart.SetSourceData Source:=Sheets("Sheet1").Range("A1:A4"), PlotBy:= _  
xlColumns
```

```
ActiveChart.Location Where:=xlLocationAsObject, Name:="Sheet1"
```

```
ActiveChart.HasTitle = False
```

Q5 : Check the dataset in the link given below and create a pivot table using VBA showing the sales for the year from stationary category.

Ans :

```
Sub FormattingAllThePivotTablesInAWorkbook()
```

```
Dim wks As Worksheet
```

```
Dim wb As Workbook
```

```
Set wb = ActiveWorkbook
```

```
Dim pt As PivotTable
```

```
For Each wks In wb.Sheets
```

```
For Each pt In wks.PivotTables
```

```
pt.TableStyle2 = "PivotStyleLight15"
```

```
Next pt
```

```
Next wks
```

```
End Sub
```

Q6 : Write step by step procedure to protect your workbook using a password.

Ans :

```
Sub Protect_Example1()
```

```
    Dim Ws As Worksheet
```

```
    Set Ws = Worksheets("Sheet1")
```

```
    Ws.Protect Password:="MyPassword"
```

```
End Sub
```