

# Data Analysis and Visualization using Excel

## Week 11 Challenge

**Q1)Write VBA code to insert worksheets according to the input received from the user.**

```
Public Sub Insert worksheets()  
Dim userInput As String  
Dim Prompt As String  
  
Prompt = "Enter your Choice" & vbCrLf & _  
"1.Add the Worksheet"  
  
userinput = InputBox(Prompt)  
If userinput = "1" Then  
Sheets.Add  
End If  
End Sub
```

**Q2)Write VBA code to delete all blank worksheets.**

```
Public Sub Delete()  
Dim BlankWork As Worksheet  
On Error Resume Next  
  
Application.DisplayAlerts = False  
Application.ScreenUpdating = False  
  
For Each Worksheet In Application.Worksheets  
  
If Application.WorksheetFunction.CountA(Worksheet.UsedRange) = 0 Then  
Worksheet.Delete  
  
End If  
  
Next  
  
Application.DisplayAlerts = True  
Application.ScreenUpdating = True  
End Sub
```

**Q3)Write VBA code to insert blank row after each row.**

```
Public Sub insert_row()  
Dim R As Range  
Dim Row As Integer  
Dim i As Integer  
Set R = Selection  
countrow = R.EntireRow.Count  
  
For i = 1 To countrow  
ActiveCell.Offset(1, 0).EntireRow.Insert  
ActiveCell.Offset(2, 0).Select  
Next i  
  
End Sub
```

**Q4)Write VBA code to highlight spelling mistakes in the active worksheet.**

```
Public Sub Spelling_mistake()  
Dim C As Range  
Dim Cell As Range  
Set C = Application.InputBox("Please select range:", "Range", Selection.Address, , , , 8)  
If C Is Nothing Then Exit Sub  
  
For Each Cell In ActiveSheet.UsedRange  
  
If Not Application.CheckSpelling(word:=Cell.Text) Then  
Cell.Interior.Color = RGB(255, 0, 0)  
End If  
  
Next Cell  
  
End Sub
```

**Q5)Write VBA code to highlight all blank cells int the active worksheet.**

```
Public Sub Blank_Cell()  
Dim cell2 As Range  
  
Set cell2 = Application.InputBox("Please select range:", "Range", Selection.Address, , , , 8)  
If cell2 Is Nothing Then Exit Sub  
cell2.SpecialCells(xlCellTypeBlanks).Interior.Color = vbRed  
  
End Sub
```