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=====

Query: Create Excel Add-in

```
Imports Microsoft.Office.Interop.Excel
```

```
Imports Microsoft.Office.Tools.Ribbon
```

```
Public Class Ribbon1
```

```
Private Sub Ribbon1_Load(ByVal sender As System.Object, ByVal e As RibbonUIEventArgs) Handles MyBase.Load
```

```
End Sub
```

```
Private Sub Button1_Click(sender As Object, e As RibbonControlEventArgs) Handles Button1.Click
```

```
'Create application to the InputData
```

```
Dim InputXLApp As Excel.Application
```

```
InputXLApp = New Excel.Application
```

```
InputXLApp.Visible = True
```

```
'=====
```

```
'Provide the path of input excel workbook through inputbox
```

```
Dim WkbPath As String
```

```
WkbPath = InputXLApp.InputBox("Provide the Excel Path",  
"www.Tricks12345.com")
```

```
'=====
```

```
'Add workbook to the application
```

```
Dim InputWKB As Excel.Workbook
```

```
InputWKB = InputXLApp.Workbooks.Add(WkbPath)
```

```
'=====
```

```
'Defined variable to the Input Worksheet
```

```
Dim InputSH As Excel.Worksheet
```

```
InputSH = InputWKB.Sheets("Create_Attendance_Sheet")
```

```
'Find the last row
```

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Dim DataRow As Integer

DataRow = InputSH.Range("A2").End(XlDirection.xlDown).Row

'Stored Year into variable

Dim YearNumb As Integer

YearNumb = InputSH.Range("D4").Value

'=====

'Created new application for attendance workbook

Dim OutPutXLApp As Excel.Application

OutPutXLApp = New Excel.Application

OutPutXLApp.Visible = True

'Mentioned number of sheet in newly created workbook

OutPutXLApp.SheetsInNewWorkbook = 1

'Created new workbook and added to the application

Dim OutputXLWkb As Excel.Workbook

OutputXLWkb = OutPutXLApp.Workbooks.Add

'Defined the required variables before stating the looping process

Dim NewSH As Excel.Worksheet

Dim rng As Excel.Range

Dim MonthNumb As Integer

Dim r As Integer

Dim d As Integer

Dim SheetNumber As Integer

SheetNumber = 1

Dim LastColumn As Integer

Dim LastRow As Integer

'=====

For MonthNumb = InputSH.Range("E4").Value To
InputSH.Range("H4").Value

 If SheetNumber = 1 Then

 NewSH = OutputXLWkb.ActiveSheet

 Else

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```
NewSH =  
OutputXLWkb.Worksheets.Add(After:=OutputXLWkb.Sheets(OutputX  
LWkb.Sheets.Count))
```

End If

```
NewSH.Name = MonthName(MonthNumb) & " " & YearNumb  
'MsgBox (Day(DateSerial(YearNumb, MonthNumb + 1, 0)))
```

```

For d = 1 To Day(DateSerial(YearNum, MonthNum + 1, 0))
    NewSH.Cells(1, d + 1).Value = DateSerial(YearNum,
MonthNum, d)

```

```
NewSH.Cells(2, d + 1).Value =  
WeekdayName(Weekday(DateSerial(YearNumb, MonthNumb, d)))
```

Next

====Days and Dates

added=====

```
NewSH.Cells(1, 1).Value = "Date"
```

```
NewSH.Cells(2, 1).Value = "Day"
```

```
InputSH.Range("A2:A" & DataRow).Copy0
```

```
NewSH.Range("A3").PasteSpecial(Excel.XlPasteType.xlPasteValues,  
False, False)
```

```
InputXLApp.CutCopyMode = XlCutCopyMode.xlCopy
```

LastColumn =

```
NewSH.Range("A1").End(XlDirection.xlToRight).Column
```

```
LastRow = NewSH.Range("A1").End(XlDirection.xlDown).Row
```

```
NewSH.Cells(1, LastColumn + 1).Value = "Total Present"
```

```
NewSH.Cells(1, LastColumn + 2).Value = "Total Absent"
```

```
For r = 1 To LastRow
```

```
For C = 1 To LastColumn
```

NewSH.Cells(r, C).Activate

With NewSH.Cells(r, C)

If r >= 3 And C >= 2 Then

' P will display to those cells other than saturday and sunday

```

If NewSH.Cells(2, C).Value <> "Sunday" And
NewSH.Cells(2, C).Value <> "Saturday" Then
    .Value = "P"

```

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```
End If
NewSH.Cells(r,
C).Validation.Add(XlDVType.xlValidateList, Formula1:="P,A")
'Excel.Validation.Add(XlDVType.xlValidateList,
Formula1:="P,A")
.Validation.IgnoreBlank = True
.Validation.InCellDropdown = True

End If
.Font.Size = 15
.Font.Name = "Century"
If r > 2 And C = 1 Then
    .HorizontalAlignment = Excel.Constants.xlLeft
Else
    .HorizontalAlignment = Excel.Constants.xlCenter
End If

If r = 1 Then
    .Interior.ColorIndex = 9
    .Font.ColorIndex = 2
    .Font.Bold = True

ElseIf r = 2 Then
    .Interior.ColorIndex = 56
    .Font.ColorIndex = 6
    .Font.Bold = True

ElseIf r > 2 And NewSH.Cells(2, C).Value = "Sunday" _
Or NewSH.Cells(2, C).Value = "Saturday" Then
    .Interior.ColorIndex = 15
Else
    .Interior.ColorIndex = 20
    .Font.ColorIndex = 1
End If
End With

Next 'Column Loop
If r >= 3 Then
```

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```
rng = NewSH.UsedRange
```

```
    'MsgBox ("=COUNTIF(B" & r & ":" & rng.Cells(r,
Lastcolumn).Address(False, False) & ", ""P""")"
    NewSH.Cells(r, LastColumn + 1).Formula =
"=COUNTIF(B" & r & ":" & rng.Cells(r, LastColumn).Address(False,
False) & ", ""P""")"
    NewSH.Cells(r, LastColumn + 2).Formula =
"=COUNTIF(B" & r & ":" & rng.Cells(r, LastColumn).Address(False,
False) & ", ""A""")
    With NewSH.Range(rng.Cells(r, LastColumn + 1),
rng.Cells(r, LastColumn + 2))
        .Interior.ColorIndex = 10
        .Font.ColorIndex = 2
        .Font.Size = 15
        .Font.Name = "Century"
        .HorizontalAlignment = Excel.Constants.xlCenter
    End With
End If
```

```
Next ' Rows Loop
rng = NewSH.UsedRange
With NewSH.Range(rng.Cells(1, LastColumn + 1), rng.Cells(2,
LastColumn + 2))
    .Interior.ColorIndex = 10
    .Font.ColorIndex = 2
    .Font.Size = 15
    .Font.Name = "Century"
    .HorizontalAlignment = Excel.Constants.xlCenter
End With
```

```
NewSH.UsedRange.Columns.AutoFit()
SheetNumber = SheetNumber + 1
Next ' Months Loop
```

```
OutPutXLApp.SheetsInNewWorkbook = 3
InputXLApp.Quit()
```

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InputXLApp = Nothing

InputWKB = Nothing

InputSH = Nothing

MsgBox("Hi Pavan completed")

End Sub

End Class