



Here are some VBA Code.... You may learn it from my exclusive channel @ free of cost

Here are is the URL of the Video and Code which are used the files

Basic Understanding of Macro [Worksheet, Range, Cells, Columns, Rows]

https://www.youtube.com/watch?v=JnOj3JWODh0&index=2&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```
Sub refersheet()
Worksheets(2).Select
End Sub
```

```
Sub refersheet2()
Worksheets("Prince").Select
End Sub
```

```
Sub refersheet3()
Sheet2.Activate
End Sub
```

```
Sub range1()
Range("A1").Select
End Sub
```

```
Sub range2()
Range("A1:b10").Select
End Sub
```

```
Sub range3()
Range("A1:b10,e2:E9").Select
End Sub
```

```
Sub column1()
Range("A:A").Select
End Sub
```

```
Sub Row1()  
Range("1:1").Select  
End Sub
```

```
Sub column2()  
Range("A:c").Select  
End Sub
```

```
Sub Row2()  
Range("1:5").Select  
End Sub
```

```
Sub Row3()  
Range("1:1,3:3,5:5").Select  
End Sub
```

```
Sub column5()  
Range("A:A,c:c,F:F").Select  
End Sub
```

```
Sub cells1()  
Cells(5, 2).Select  
End Sub
```

Learn If, Else-if, Nested Elseif, Nested ifs

https://www.youtube.com/watch?v=6YSyg14tm-s&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```
Sub Simpleif()  
Dim i As Integer  
i = Range("G3").Value  
    If i = 1 Then  
        Range("A1").CurrentRegion.Font.Bold = True  
        Range("A1").CurrentRegion.Font.Name = "Times new Roman"  
        Range("A1").CurrentRegion.Font.ColorIndex = 5  
    End If  
End Sub
```

```
Sub Simpleif1()  
Dim i As Integer  
i = Range("G3").Value  
    If i = 1 Then  
        Range("A1").CurrentRegion.Font.Bold = True  
        Range("A1").CurrentRegion.Font.Name = "Times new Roman"  
        Range("A1").CurrentRegion.Font.ColorIndex = 5  
    Else  
        Range("A1").CurrentRegion.Font.Bold = False  
        Range("A1").CurrentRegion.Font.Name = "Arial"  
        Range("A1").CurrentRegion.Font.ColorIndex = 3  
    End If  
End Sub
```

```

    End If
End Sub

Sub Simpleif3()
Dim i As String
i = Range("G6").Value
    Range("A1").CurrentRegion.ClearFormats
    If i = "Red" Then
        Range("A1").CurrentRegion.Style = "Accent2"
    ElseIf i = "Green" Then
        Range("A1").CurrentRegion.Style = "Accent3"
    ElseIf i = "Orange" Then
        Range("A1").CurrentRegion.Style = "Accent6"
    ElseIf i = "Blue" Then
        Range("A1").CurrentRegion.Style = "Accent5"
    Else
        Range("A1").CurrentRegion.Style = "Accent4"
    End If
End Sub

End Sub

Sub message()
    MsgBox "Hi Dear How are You", vbInformation + vbYesNo, "Prince Sethi"
End Sub

Sub Nestedif()
Dim rep As String
rep = MsgBox("Dear do you want to colour your data", vbYesNo, "Question Reply please")
    If rep = vbYes Then
        Call Simpleif3
    Else
        MsgBox "Dear you have pressed No Button so i will not apply any colour"
    End If
End Sub

```

While Loop with Examples

https://www.youtube.com/watch?v=j-78MCYxdr0&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```

Sub Whleloop1()
Dim i As Integer
Dim r As Integer
i = 1
r = 8

While i <= 10
    Sheet1.Range("A" & r).Value = i
    i = i + 1
    r = r + 2
Wend
End Sub

Sub Whleloop2()

```

```

Dim i As Integer
Dim r As Integer
i = 10
r = 8
While i >= 1
    Sheet1.Range("B" & r).Value = i
    i = i - 1
    r = r + 2
Wend
End Sub

```

```

Sub Whilelop3()
    Dim x As Integer
    Dim y As Integer
    Dim r As Integer
    Dim s As Integer

    r = 9

    While Range("A" & r).Value <> ""
        x = Range("A" & r).Value
        y = Range("B" & r).Value
        s = x + y
        Range("C" & r).Value = s
        r = r + 1
    Wend
End Sub

```

Lets Learn For Loop with Different-2 Example

https://www.youtube.com/watch?v=r7dQkzWE_5s&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```

Sub Forloop1()
    Dim t As Integer
    Dim i As Integer
    Dim s As Integer
    Dim r As Integer

    t = 5
    i = 1
    r = 7

    For i = 1 To 10
        s = t * i
        Sheet1.Range("A" & r).Value = s
        r = r + 1
    Next i
End Sub

```

```

Sub Type1()
    Dim i As Integer

```

```
For i = 1 To 12
    Sheets(i).Select
    Sheets(i).Range("D6").Value = "Lets Learn VBA Together"
Next i
End Sub
```

```
Sub forloop2()
Dim i As Integer
```

```
For i = 1 To 12
    Sheets(i).protect "Prince"
Next i
End Sub
```

```
Sub forloop3()
Dim i As Integer
```

```
For i = 1 To 12
    Sheets(i).Unprotect "Prince"
Next i
End Sub
```

```
Sub Forloop4()
Dim i As Integer
```

```
For i = 1 To 12
    Sheets(i).Name = Sheet1.Range("T" & i).Value
Next i
End Sub
```

```
Sub forloop5()
Dim i As Integer
Dim r As Integer
```

```
r = 10
```

```
    For i = 1 To 56
        Range("C" & r).Value = i
        Range("D" & r).Interior.ColorIndex = i
        r = r + 1
    Next i
End Sub
```

Lets Learn Nested For Loop , Dual For loop

https://www.youtube.com/watch?v=JvpW9ArNBX8&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```
Sub dualforloop()
Dim t As Integer
Dim i As Integer
Dim s As Integer
```

```
For t = 1 To 15
  For i = 1 To 10
    s = t * i
    Cells(i, t).Value = s
  Next
Next
End Sub
```

Lets Learn For Each Loop

https://www.youtube.com/watch?v=Um-bw5x9wNc&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```
Sub ForeachloopEx1()
Set tot = Sheet1.Range("A7:K19")
For Each cell In tot
  cell.Select
  If cell = 7 Then
    cell.Interior.ColorIndex = 5
  Else
    cell.Interior.ColorIndex = 6
  End If
Next
End Sub
```

```
Sub Foreachloopex2()
Set tot = Sheet2.Range("A8:K20")

For Each cell In tot
  cell.Select
  If WorksheetFunction.IsText(cell) = True Then
    cell.Value = Val(cell)
  End If
Next
End Sub
```

```
Sub foreachloopex3()

For Each hl In ActiveSheet.Hyperlinks
  hl.Delete

Next
End Sub
```

Extract Content from Notepad to Excel Spreadsheet

https://www.youtube.com/watch?v=dYBUUZQUfUo&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```

Sub importdatafromnotepad()
Dim xx As String
On Error GoTo handler:

With Application.FileDialog(msoFileDialogOpen)
    .AllowMultiSelect = False
    .Title = "Please select the required Text file"
    .Filters.Clear
    .Filters.Add "Text Files", "*.txt"
    .Show

    xx = .SelectedItems(1)
    Workbooks.Open (xx)
    ActiveSheet.Range("A1").CurrentRegion.Copy
Destination:=ThisWorkbook.Sheets("Prince1").Range("A6")
    ActiveWorkbook.Close Savechanges:=False
End With
handler:
Exit Sub

End Sub

```

```

Sub importdatafromnotepad1()
Dim xx As String
On Error GoTo handler:
With Application.FileDialog(msoFileDialogOpen)
    .AllowMultiSelect = False
    .Title = "Please select the required Text file"
    .Filters.Clear
    .Filters.Add "Text Files", "*.txt"
    .Show
    xx = .SelectedItems(1)
    Workbooks.Open (xx)

    Range("A1").CurrentRegion.TextToColumns Destination:=Range("A1"), DataType:=xlDelimited,
TextQualifier:=xlTextQualifierDoubleQuote, Comma:=True
    ActiveSheet.Range("A1").CurrentRegion.Copy
Destination:=ThisWorkbook.Sheets("Prince2").Range("A6")
    ActiveWorkbook.Close Savechanges:=False
    Range("A6").CurrentRegion.Columns.AutoFit
End With
handler:
Exit Sub
End Sub

```

Filter data from a sheet and distribute it another sheets

https://www.youtube.com/watch?v=iOiMxAEPz4A&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```
Sub FilteredDatatorespectiveSheet()  
Dim i As Integer  
Dim xx As String  
  
For i = 1 To 9  
    On Error Resume Next  
    xx = Sheets("Main").Range("K" & i).Value  
    Range("A1").CurrentRegion.AutoFilter Field:=1, Criteria1:=xx  
    Range("A1").CurrentRegion.Cells.SpecialCells(xlCellTypeConstants).Copy  
    Destination:=Sheets(xx).Range("A1")  
Next  
    Range("A1").CurrentRegion.AutoFilter  
    Err.Clear  
  
End Sub
```

Create Customize Function in VBA (Macro) - Function Procedures

https://www.youtube.com/watch?v=bhCVwGuT2QI&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```
Function getname(x As Range) As String  
    getname = x.Font.Name
```

End Function

```
Function fullname(x As String, y As String)  
    fullname = UCase(x) & " " & UCase(y)  
End Function
```

```
Function Princeextractnumber(target As Range)  
    x = target.Value  
    For i = 1 To Len(x)  
        If IsNumeric(Mid(x, i, 1)) Then  
            xx = xx & Mid(x, i, 1)  
        End If  
    Next i  
    Princeextractnumber = xx  
End Function
```

```
Function Princeextracttext(target As Range)  
    x = target.Value  
    For i = 1 To Len(x)  
        If Not IsNumeric(Mid(x, i, 1)) Then  
            xx = xx & Mid(x, i, 1)  
        End If  
    Next i
```



```
Princeextracttext = xx
End Function
```

Customize function to Count Colour in a given Range - function

Procedure part 2

https://www.youtube.com/watch?v=TblxyjKJmCY&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqlCZ1f0

```
Function countcolour(sel As Range, crit As Range)

Dim x As Integer
For Each cell In sel
    If cell.Interior.ColorIndex = crit.Interior.ColorIndex Then
        x = x + 1
    End If
Next
countcolour = x
End Function
```

How to Identify last row/column in a data [3 Example]

https://www.youtube.com/watch?v=Q2LXzn_s7b8&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqlCZ1f0

```
Sub FindLastName()
Dim x As Integer
Dim y As Integer
ActiveSheet.UsedRange

x = Cells.SpecialCells(xlCellTypeLastCell).Row
y = Cells.SpecialCells(xlCellTypeLastCell).Column

MsgBox "My Last Row is : " & x & vbCrLf & "My Column is " & y
End Sub
```

```
Sub FindLastName1()
Dim xx As Integer
xx = Range("A65536").End(xlUp).Row
yy = Range("lv1").End(xlToLeft).Column

MsgBox xx & " ----" & yy
End Sub
```

```
Sub FindLastName2()
Dim ppp As Integer
ppp = Cells.Find(what:="", after:=[A1], LookIn:=xlFormulas, Lookat:=xlPart, SearchOrder:=xlByRows,
```

```
SearchDirection:=xlPrevious).Row
MsgBox ppp
End Sub
```

Special Cells their customization

https://www.youtube.com/watch?v=OlVak7jE0eM&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```
Sub Removeblankrows()
Columns(1).Cells.SpecialCells(xlCellTypeBlanks).EntireRow.Delete
End Sub
```

```
Sub Highlightfunction()
n = Worksheets.Count
For i = 1 To n
    On Error Resume Next
    Sheets(i).Select
        Cells.SpecialCells(xlCellTypeFormulas).Interior.ColorIndex = 5
Next i
Err.Clear
End Sub
```

```
Sub Highlightfunction2()
n = Worksheets.Count
    Cells.SpecialCells(xlCellTypeComments).Interior.ColorIndex = 10
End Sub
```

Select Case - Calling Function & Sub procedures

https://www.youtube.com/watch?v=RilZXofLtyY&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```
Function Prince(rng, op)
Select Case UCase(op)
Case "SUM"
    Prince = Application.WorksheetFunction.Sum(rng)
Case "AVERAGE"
    Prince = Application.WorksheetFunction.Average(rng)
Case "MAX"
    Prince = Application.WorksheetFunction.Max(rng)
Case "MIN"
    Prince = Application.WorksheetFunction.Min(rng)
Case "COUNT"
```

```
Prince = Application.WorksheetFunction.Count(rng)
End Select
End Function
```

Select case and Calling Function Procedure - Part 2

https://www.youtube.com/watch?v=Pi7OixGdZLQ&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```
Function pringedate(x As Date)
Dim m As Integer
m = Weekday(x, vbMonday)
Select Case m

Case 1
    pringedate = "Its Monday"
Case 2
    pringedate = "Its Tuesday"
Case 3
    pringedate = "Its Wednesday"
Case 4
    pringedate = "Its Thrusday"
Case 5
    pringedate = "Its Friday"
Case 6
    pringedate = "Its Saturday"
Case 7
    pringedate = "Its Sunday"
End Select
End Function
```

Customize function to put function Text into comment

https://www.youtube.com/watch?v=gB_nKuoc7r8&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```
Sub Function_into_comments()

Set tot = Range("A7:h27")

For Each cell In tot
    cell.Select
    If cell.HasFormula Then
        cell.AddComment cell.Formula
        cell.Comment.Visible = False
        cell.Comment.Shape.TextFrame.AutoSize = True
    End If
Next cell
```

```
End If
Next
End Sub
```

Deals With File Attributes through VBA

https://www.youtube.com/watch?v=ouJ8O5nhMEg&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZqICZ1f0

```
Sub Fileattribute()
Dim n As Integer
Dim r As Integer
Dim xx As String

r = 2

With Application.FileDialog(msoFileDialogOpen)
.AllowMultiSelect = True
.Title = "Please select all the files"
.Show

n = .SelectedItems.Count

For i = 1 To n
On Error Resume Next
xx = .SelectedItems(i)
Set fp = CreateObject("scripting.filesystemobject")
fn = fp.getfile(xx).Name
cr = fp.getfile(xx).datecreated
lm = fp.getfile(xx).datelastmodified
sz = fp.getfile(xx).Size
dr = fp.getfile(xx).drive
pt = fp.getfile(xx).Path

ActiveSheet.Range("A" & r).Value = fn
ActiveSheet.Range("B" & r).Value = cr
ActiveSheet.Range("C" & r).Value = lm
ActiveSheet.Range("D" & r).Value = sz
ActiveSheet.Range("E" & r).Value = dr
ActiveSheet.Range("F" & r).Value = pt

r = r + 1
Next

End With
End Sub
```

Create an index page by using for Loop

https://www.youtube.com/watch?v=QOM1HVhUKZw&list=PL8eHn_8Mq2toWu7e5EJ2cGuwhZgICZ1f0

```
Sub Indexpage()  
Sheets.Add  
ActiveSheet.Name = "IndexPage"  
  
For i = 2 To Sheets.Count  
    Range("A" & i).Value = Sheets(i).Name  
    Range("A" & i).Select  
    Cells.Hyperlinks.Add Anchor:=Selection, Address:="", SubAddress:=Range("A" & i).Value & "!A1",  
TextToDisplay:=Range("A" & i).Value  
Next  
    Cells(1, 1).Select  
End Sub
```

Copy from Excel to PowerPoint

```
Sub copy_from_excel_powerpoint()  
Dim ppapp As PowerPoint.Application  
Dim pppres As PowerPoint.Presentation  
Dim ppslide As PowerPoint.Slide  
  
Set ppapp = New PowerPoint.Application  
  
ppapp.Visible = True  
  
ppapp.Activate  
  
Set pppres = ppapp.Presentations.Add  
Set ppslide = pppres.Slides.Add(1, ppLayoutBlank)  
Sheet1.Range("A1").CurrentRegion.Copy  
  
ppslide.Select  
ppslide.Shapes.PasteSpecial (ppPasteEnhancedMetafile)  
  
Set myshape = ppslide.Shapes(ppslide.Shapes.Count)  
  
    myshape.Left = 100  
    myshape.Top = 50  
Application.CutCopyMode = False  
  
End Sub
```

Few More

```
Sub NewWorkbook()  
Dim wkb As Workbook, wks As Worksheet  
Set wkb = Workbooks.Add  
Set wks = wkb.Worksheets.Add(After:=wkb.Sheets(wkb.Sheets.Count))  
wks.Name = "January"  
wks.Range("A1").Value = "Sales Data"  
wkb.SaveAs Filename:="JanSales.xlsx"  
End Sub
```

```
If Not ThisWorkbook.Saved Then  
IAnswer = MsgBox("Do you want to save your changes", vbQuestion + _  
vbYesNo)  
If IAnswer = vbYes Then  
ThisWorkbook.Save  
MsgBox ThisWorkbook.Name & " has been saved"  
End
```

```
Function vPrice(sProduct As String) As Variant  
If sProduct = "Apples" Then  
vPrice = 12.5  
ElseIf sProduct = "Oranges" Then  
vPrice = 15  
ElseIf sProduct = "Pears" Then  
vPrice = 18  
ElseIf sProduct = "Mangoes" Then  
vPrice = 25  
Else  
vPrice = CVErr(xlErrNA)  
End If  
End Function
```

```
Function vPrice(sProduct As String) As Variant  
Select Case sProduct  
Case "Apples": vPrice = 12.5  
Case "Oranges": vPrice = 15  
Case "Pears": vPrice = 18  
Case "Mangoes": vPrice = 25  
Case Else: vPrice = CVErr(xlErrNA)  
End Select  
End Function
```

```
Function vFare(iAge As Integer) As Variant  
Select Case iAge  
Case 0 To 3, Is > 65
```

```
vFare = 0
Case 4 To 15
vFare = 10
Case 16 To 65
vFare = 20
Case Else
vFare = CVErr(xlErrNA)
End Select
End Function
```

```
Sub ShadeEverySecondRow()
Range("A2").EntireRow.Select
Do While ActiveCell.Value <> ""
Selection.Interior.ColorIndex = 15
ActiveCell.Offset(2, 0).EntireRow.Select
Loop
End Sub
```

```
Sub GetPassword()
Dim sPassWord As String, i As Integer
i = 0
Do
i = i + 1
If i > 3 Then
MsgBox "Sorry, Only three tries"
Exit Sub
End If

sPassWord = InputBox("Enter Password")

Loop Until sPassWord = "XXX"
MsgBox "Welcome"
End Sub
```

```
Sub FilePathInFooter()
Dim sFilePath As String, wks As Worksheet
sFilePath = ActiveWorkbook.FullName
For Each wks In Worksheets
wks.PageSetup.CenterFooter = sFilePath
Next wks
End Sub
```

```
Sub GetRange()
Dim rng As Range
On Error Resume Next
Set rng = Application.InputBox(prompt:="Enter range", Type:=8)
If rng Is Nothing Then
MsgBox "Operation Cancelled"
Else
```

```
rng.Select
End If
End Sub
```

```
Sub ConcatenateExample2()
Dim s1 As String, s2 As String
s1 = "Jack "
s2 = "Smith"
MsgBox s1 & s2
End Sub
```

```
Sub NewWorkbooks()
Dim wkb1 As Workbook
Dim wkb2 As Workbook
Set wkb1 = Workbooks.Add
Set wkb2 = Workbooks.Add
wkb1.Activate
End Sub
```

```
Sub CloseWorkbook()
Dim wkb1 As Workbook
Set wkb1 = Workbooks.Open(FileName:="C:\Data\SalesData1.xlsx")
Range("A1").Value = Format(Date, "ddd mmm dd, yyyy")
Range("A1").EntireColumn.AutoFit
wkb1.Close SaveChanges:=True
End Sub
```

```
Sub WorksheetIndex()
Dim i As Integer
For i = 1 To ThisWorkbook.Worksheets.Count
MsgBox ThisWorkbook.Worksheets(i).Name & _
" has Index = " & _
ThisWorkbook.Worksheets(i).Index
Next i
End Sub
```

```
Sub InsertChartsBeforeWorksheets()
Dim wks As Worksheet
For Each wks In Worksheets
Charts.Add Before:=Sheets(wks.Index)
Next wks
End Sub
```

```
Sub InsertChartsBeforeWorksheets2()
Dim wks As Worksheet
```



```
For Each wks In Worksheets
Charts.Add Before:=wks
Next wks
End Sub
```

```
Sub InsertChartsAfterWorksheets()
Dim wks As Worksheet
Dim cht As Chart
For Each wks In Worksheets
Set cht = Charts.Add
cht.Move After:=wks
Next wks
End Sub
```

```
Sub FindIt()
Dim rng As Range
'Find data and use Resize property to copy range
Set rng = Range("A1:A12").Find(What:="Jun", _
LookAt:=xlWhole, LookIn:=xlValues)
If rng Is Nothing Then
MsgBox "Data not found"
Exit Sub
Else
rng.Resize(1, 3).Copy Destination:=Range("G1")
End If
End Sub
```

```
Sub DeleteRows()
Dim IRow As Long
'Freeze screen
Application.ScreenUpdating = False
'Process rows from last data row up to row 1
For IRow = Cells(Rows.Count, "C").End(xlUp).Row To 1 Step -1
'Delete rows with Mangoes in C column
If Cells(IRow, "C").Value = "Mangoes" Then
Cells(IRow, "C").EntireRow.Delete
End If
Next IRow
End Sub
```

```
Private Sub Workbook_BeforeClose(Cancel As Boolean)
If Not ThisWorkbook.Saved Then
ThisWorkbook.Save
End If
End Sub
```

