Sub RestructureATLASData()

Dim folderPath As String

Dim newFolderPath As String

Dim inputFile As String

Dim outputFile As String

Dim ws As Worksheet

Dim newWb As Workbook

Dim lastRow As Long

Dim i As Integer

Dim oldFilePath As String

Dim newFilePath As String

Dim r As Long

Dim monthAbbr As Variant

Dim monthNames As Variant

Dim filesProcessed As Integer

' Define the folder path (ATLAS folder on the desktop)

folderPath = Environ("USERPROFILE") & "\Desktop\ATLAS\"

' Create a new folder called ATLAS\_RESTRUCTURED

newFolderPath = Environ("USERPROFILE") & "\Desktop\ATLAS\_RESTRUCTURED\"

If Dir(newFolderPath, vbDirectory) = "" Then

MkDir newFolderPath

End If

' Define month abbreviations for both file input and output

monthAbbr = Array("JAN", "FEB", "MAR", "APR", "MAY", "JUN", \_

"JUL", "AUG", "SEP", "OCT", "NOV", "DEC")

filesProcessed = 0

' Loop through each month

For i = LBound(monthAbbr) To UBound(monthAbbr)

' Define the input file name (exact ATLAS format with 3-letter month)

inputFile = "ATLAS- SSNIT " & monthAbbr(i) & " 2024.xlsx"

' Define the output file name in lowercase (e.g., jun2024.xlsx)

outputFile = LCase(monthAbbr(i)) & "2024.xlsx"

' Define full file paths

oldFilePath = folderPath & inputFile

newFilePath = newFolderPath & outputFile

' Check if the input file exists

If Dir(oldFilePath) = "" Then

Debug.Print "File not found: " & oldFilePath & " - Skipping..."

GoTo NextIteration

End If

On Error Resume Next

' Open the input workbook

Workbooks.Open Filename:=oldFilePath, ReadOnly:=True

If Err.Number <> 0 Then

Debug.Print "Error opening: " & oldFilePath & " - " & Err.Description

Err.Clear

GoTo NextIteration

End If

Set ws = ActiveWorkbook.Sheets(1) ' Assuming data is in Sheet 1

If ws Is Nothing Then

Debug.Print "Sheet 1 not found in: " & oldFilePath

ActiveWorkbook.Close False

GoTo NextIteration

End If

' Find the last row with data in Column B (SSNIT)

lastRow = ws.Cells(ws.Rows.Count, "B").End(xlUp).Row

If lastRow < 5 Then ' Check if there's any data (headers in row 4, data starts at 5)

Debug.Print "No data found in: " & oldFilePath

ActiveWorkbook.Close False

GoTo NextIteration

End If

' Create a new workbook

Set newWb = Workbooks.Add

With newWb.Sheets(1)

' Set headers in the new workbook

.Range("A1").Value = "ssnit"

.Range("B1").Value = "name"

.Range("C1").Value = "salary"

' Copy Column B (SSNIT) from old file (starting at row 5) to Column A in new file

ws.Range("B5:B" & lastRow).Copy Destination:=.Range("A2")

' Combine Columns D, E, F (Name components) from row 5 onwards

For r = 5 To lastRow

.Cells(r - 3, 2).Value = Application.WorksheetFunction.Trim( \_

ws.Cells(r, "D").Value & " " & \_

ws.Cells(r, "E").Value & " " & \_

ws.Cells(r, "F").Value)

Next r

' Copy Column I (Salary) from row 5 onwards

ws.Range("I5:I" & lastRow).Copy Destination:=.Range("C2")

End With

' Save the new workbook

Application.DisplayAlerts = False

newWb.SaveAs Filename:=newFilePath, FileFormat:=xlOpenXMLWorkbook

Application.DisplayAlerts = True

If Err.Number <> 0 Then

Debug.Print "Error saving: " & newFilePath & " - " & Err.Description

Err.Clear

newWb.Close False

Else

filesProcessed = filesProcessed + 1

newWb.Close True

End If

' Close the input workbook

ActiveWorkbook.Close False

NextIteration:

On Error GoTo 0

Set ws = Nothing

Set newWb = Nothing

Next i

MsgBox "Processing complete!" & vbCrLf & \_

"Successfully processed: " & filesProcessed & " files" & vbCrLf & \_

"Output location: " & newFolderPath, vbInformation

End Sub