Sub gatesheet1()

'

' GS\_STEP1 MACRO

'

Cells.Select

With Selection.Font

.Name = "CALIBRI"

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.TintAndShade = 0

.ThemeFont = xlThemeFontNone

End With

With Selection.Font

.Name = "CALIBRI"

.Size = 20

.Strikethrough = False

.Superscript = False

.Subscript = False

.OutlineFont = False

.Shadow = False

.TintAndShade = 0

.ThemeFont = xlThemeFontNone

End With

Selection.Font.Bold = False

Selection.Font.Bold = True

Range("H3").Select

Range(Selection, Selection.End(xlDown)).Select

Selection.ClearContents

Range("K3").Select

Range(Selection, Selection.End(xlDown)).Select

Selection.ClearContents

Range("J3").Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Cut

Range("H3").Select

Selection.Insert Shift:=xlToRight

Range("A3:N3").Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Borders(xlDiagonalDown).LineStyle = xlNone

Selection.Borders(xlDiagonalUp).LineStyle = xlNone

With Selection.Borders(xlEdgeLeft)

.LineStyle = xlContinuous

.Color = -16777216

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.Borders(xlEdgeTop)

.LineStyle = xlContinuous

.Color = -16777216

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.Borders(xlEdgeBottom)

.LineStyle = xlContinuous

.Color = -16777216

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.Borders(xlEdgeRight)

.LineStyle = xlContinuous

.Color = -16777216

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.Borders(xlInsideVertical)

.LineStyle = xlContinuous

.Color = -16777216

.TintAndShade = 0

.Weight = xlThin

End With

With Selection.Borders(xlInsideHorizontal)

.LineStyle = xlContinuous

.Color = -16777216

.TintAndShade = 0

.Weight = xlThin

End With

Columns("G:H").Select

Range("G2").Activate

Selection.NumberFormat = "HHMM"

Range("O3:Q300").Select ' ADJUST THE RANGE TO DELETE UP TO ROW 300

Selection.Delete Shift:=xlToLeft

ActiveWindow.SmallScroll DOWN:=0

' CALL THE NEW SUBROUTINE TO INSERT WHITE FILL COLOR INTO COLUMN N

xx

End Sub

Sub xx()

Dim WS As Worksheet

Dim LASTROW As Long

' DEFINE THE RELEVANT WORKSHEET

Set WS = ThisWorkbook.Sheets("1") ' CHANGE "YOURSHEETNAME" TO THE ACTUAL NAME OF YOUR SHEET

' FIND THE LAST ROW WITH DATA IN COLUMN A

LASTROW = WS.Cells(WS.Rows.Count, "A").End(xlUp).row

' INSERT WHITE FILL COLOR INTO COLUMN N UNTIL THE LAST ROW WITH DATA IN COLUMN A

WS.Range("N3:N" & LASTROW).Interior.Color = RGB(255, 255, 255)

End Sub

' STEP 2

' PAX COUNT FORMATTING

' FOR ALL AMAZON FLIGHTS: "WC", "CARGO", "AMZ / CREW RIDE"

' FOR ALL INTL INBOUND FLIGHTS: "CUSTOMS"

' FOR ALL PRE-CLEARED INTL INBOUND FLIGHTS: "CUSTOMS PRE-CLEARED"

' UN-BOLD THE INBOUND STD & OUTBOUND STA IN COLUMN G.

Sub gatesheet2()

Dim WS As Worksheet

Dim LASTROW As Long

Dim cell As Range

Dim CUSTOMSVALUES As Variant

Dim PRECLEAREDVALUES As Variant

Dim value As String

' SPECIFY THE WORKSHEET CONTAINING THE DATA

Set WS = ThisWorkbook.Sheets("1") ' CHANGE "SHEET1" TO YOUR SHEET NAME

' STEP 2: PAX COUNT FORMATTING

' REMOVE "0/" VALUES FROM COLUMN F AND SET ITS FORMAT TO TEXT

Set RNGF = WS.Range("F:F")

For Each cell In RNGF

If InStr(cell.value, "0/") = 1 Then

cell.value = Mid(cell.value, 3)

End If

Next cell

WS.Columns("F:F").NumberFormat = "@"

' COPY VALUES FROM COLUMN F TO COLUMN L

LASTROW = WS.Cells(WS.Rows.Count, "F").End(xlUp).row

WS.Range("F3:F" & LASTROW).Copy Destination:=WS.Range("L3")

' APPEND "/186" TO NON-EMPTY CELLS IN COLUMN F

For Each cell In WS.Range("F3:F" & LASTROW)

If Len(cell.value) > 0 Then

cell.value = cell.value & "/186"

End If

Next cell

' ADDITIONAL FORMATTING FOR STEP 2

With WS.Range("A3:N" & LASTROW).Borders

.LineStyle = xlContinuous

.Color = -16777216

.TintAndShade = 0

.Weight = xlThin

End With

With WS.Range("G:H").Font

.Name = "CALIBRI"

.Size = 20

.Bold = True

End With

WS.Columns("G:H").NumberFormat = "HHMM"

WS.Range("O3:Q300").Delete Shift:=xlToLeft

' ADDITIONAL FORMATTING

' DEFINE THE CUSTOMS VALUES TO SEARCH FOR FOR STEP 3

CUSTOMSVALUES = Array("WC", "CARGO", "AMZ / CREW RIDE")

' FIND THE LAST ROW OF DATA IN COLUMN C FOR STEP 3

LASTROW = WS.Cells(WS.Rows.Count, "C").End(xlUp).row

' LOOP THROUGH EACH CELL IN COLUMN C FOR STEP 3

For Each cell In WS.Range("C1:C" & LASTROW)

If InStr(1, cell.value, "N", vbTextCompare) > 0 Then

' IF THE CELL CONTAINS THE LETTER "N", INSERT THE SPECIFIED TEXT VALUES INTO OTHER COLUMNS FOR STEP 3

WS.Cells(cell.row, "D").value = "WC"

WS.Cells(cell.row, "I").value = "CARGO"

WS.Cells(cell.row, "N").value = "AMZ / CREW RIDE"

End If

Next cell

' ADDITIONAL FORMATTING - NO LONGER INCLUDED AS NOT ALL 8000 FLIGHTS ARE FERRYS

' FIND THE LAST ROW OF DATA IN COLUMN B FOR STEP 4

LASTROW = WS.Cells(WS.Rows.Count, "B").End(xlUp).row

' LOOP THROUGH EACH CELL IN COLUMN B FOR STEP 4

For Each cell In WS.Range("B1:B" & LASTROW)

If IsNumeric(cell.value) And cell.value >= 8000 Then

' IF THE CELL CONTAINS A VALUE GREATER THAN OR EQUAL TO 8000, INSERT THE SPECIFIED TEXT VALUE INTO COLUMN I FOR STEP 4

End If

Next cell

' ADDITIONAL FORMATTING

' DEFINE THE CUSTOMS VALUES TO SEARCH FOR FOR STEP 5

CUSTOMSVALUES = Array("AUA", "BZE", "SJD", "CUN", "CZM", "GCM", "LIR", "MBJ", "MZT", "PUJ", "PVR", "ZIH", "RTB", "PLS", "QRO", "NLU", "SXM")

' DEFINE THE AIRPORT CODES FOR CUSTOMS PRE-CLEARED

PRECLEAREDVALUES = Array("YYZ", "YVR", "YUL", "AUA", "SJU", "STT", "STX")

' FIND THE LAST ROW OF DATA IN COLUMN A FOR STEP 5

LASTROW = WS.Cells(WS.Rows.Count, "A").End(xlUp).row

' LOOP THROUGH EACH CELL IN COLUMN A FOR STEP 5

For Each cell In WS.Range("A1:A" & LASTROW)

' CONVERT THE CELL VALUE TO UPPERCASE AND CHECK IF IT MATCHES ANY OF THE CUSTOMS OR PRE-CLEARED VALUES

value = UCase(Trim(cell.value))

If ISINARRAY(value, CUSTOMSVALUES) Then

' IF THE CELL CONTAINS ONE OF THE CUSTOMS VALUES, INSERT "CUSTOMS" INTO COLUMN N

WS.Cells(cell.row, "N").value = "CUSTOMS"

ElseIf ISINARRAY(value, PRECLEAREDVALUES) Then

' IF THE CELL CONTAINS ONE OF THE PRE-CLEARED VALUES, INSERT "CUSTOMS PRE-CLEARED" INTO COLUMN N

WS.Cells(cell.row, "N").value = "CUSTOMS PRE-CLEARED"

End If

Next cell

' ADDITIONAL FORMATTING

' FIND THE LAST ROW OF DATA IN COLUMN G FOR STEP 6

LASTROW = WS.Cells(WS.Rows.Count, "G").End(xlUp).row

' LOOP THROUGH EACH CELL IN COLUMN G FOR STEP 6

For Each cell In WS.Range("G1:G" & LASTROW)

' CHECK IF THE FILL COLOR IS NOT SET TO "WHITE"

If cell.Interior.Color <> RGB(255, 255, 255) Then

' IF THE FILL COLOR IS NOT "WHITE", UNBOLD THE VALUE IN THE CELL

cell.Font.Bold = False

' CHANGE FONT SIZE TO 16

cell.Font.Size = 16

End If

Next cell

' FIND THE LAST ROW OF DATA IN COLUMN H FOR STEP 6

LASTROW = WS.Cells(WS.Rows.Count, "H").End(xlUp).row

' LOOP THROUGH EACH CELL IN COLUMN H FOR STEP 6

For Each cell In WS.Range("H3:H" & LASTROW)

' CHECK IF THE FILL COLOR IS SET TO "WHITE"

If cell.Interior.Color = RGB(255, 255, 255) Then

' UN-BOLD THE VALUE IN THE SAME ROW

cell.Font.Bold = False

' CHANGE FONT SIZE TO 16

cell.Font.Size = 16

End If

Next cell

' UNBOLD VALUES IN COLUMNS F AND L

WS.Range("F3:F" & LASTROW).Font.Bold = False

WS.Range("L3:L" & LASTROW).Font.Bold = False

' REMOVE LETTERS FROM CELLS IN COLUMN C

' FIND THE LAST ROW OF DATA IN COLUMN C FOR STEP 7

LASTROW = WS.Cells(WS.Rows.Count, "C").End(xlUp).row

' LOOP THROUGH EACH CELL IN COLUMN C FOR STEP 7

For Each cell In WS.Range("C3:C" & LASTROW)

cell.value = WorksheetFunction.Substitute(cell.value, "N", "")

cell.value = WorksheetFunction.Substitute(cell.value, "A", "")

Next cell

MsgBox "Additional Formatting done.", vbInformation

End Sub

Function ISINARRAY(value As String, ARR As Variant) As Boolean

Dim ELEMENT As Variant

For Each ELEMENT In ARR

If value = ELEMENT Then

ISINARRAY = True

Exit Function

End If

Next ELEMENT

ISINARRAY = False

End Function

' STEP 3:

' MATCH THE TAILS.

Sub gatesheet3()

Dim WS As Worksheet

Dim LASTROW As Long, i As Long, J As Long

Dim TEMPROW As Range

Dim ROWSTOMOVE As Collection

' DEFINE YOUR WORKSHEET

Set WS = ThisWorkbook.Sheets("1") ' CHANGE "SHEET1" TO YOUR ACTUAL SHEET NAME

' FIND THE LAST ROW IN COLUMN C

LASTROW = WS.Cells(WS.Rows.Count, "C").End(xlUp).row

' INITIALIZE COLLECTION TO STORE ROWS TO BE MOVED

Set ROWSTOMOVE = New Collection

' LOOP THROUGH EACH CELL IN COLUMN C, STARTING FROM THE LAST ROW

For i = LASTROW To 3 Step -1 ' ASSUMING HEADERS ARE IN ROW 1 AND 2

' CHECK IF THE CELL HAS A WHITE FILL COLOR

If WS.Cells(i, "C").Interior.Color = RGB(255, 255, 255) Then

' STORE THE ENTIRE ROW

Set TEMPROW = WS.Rows(i)

' FIND THE MATCHING VALUE WITH A NON-WHITE FILL COLOR

For J = i - 1 To 3 Step -1

If WS.Cells(J, "C").Interior.Color <> RGB(255, 255, 255) And WS.Cells(J, "C").value = WS.Cells(i, "C").value Then

' MOVE THE ROW BELOW THE MATCHING ROW

Do While Not IsEmpty(WS.Cells(J + 1, "C")) ' SHIFT ROWS DOWN UNTIL DESTINATION ROW IS EMPTY

WS.Rows(J + 1).Insert Shift:=xlDown

Loop

' PASTE THE CUT ROW INTO THE DESTINATION ROW

TEMPROW.Cut Destination:=WS.Rows(J + 1)

Exit For ' EXIT THE LOOP ONCE A MATCH IS FOUND

End If

Next J

End If

Next i

' CLEAR CLIPBOARD

Application.CutCopyMode = False

' DELETE ROWS WITH EMPTY VALUES IN COLUMN A

LASTROW = WS.Cells(WS.Rows.Count, "A").End(xlUp).row

For i = LASTROW To 1 Step -1

If WS.Cells(i, "A").value = "" Then

WS.Rows(i).Delete

End If

Next i

MsgBox "Tails Matching. RUN 3 TIMES.", vbInformation

End Sub

' STEP 4:

' TURNS & TERMS & ORIG

Sub gatesheet4()

Dim WS As Worksheet

Dim LASTROW As Long

Dim cell As Range

Dim ABOVECELL As Range

Dim BELOWCELL As Range

' SPECIFY THE WORKSHEET CONTAINING THE DATA

Set WS = ThisWorkbook.Sheets("1") ' CHANGE "SHEET1" TO THE ACTUAL SHEET NAME

' FIND THE LAST ROW OF DATA IN COLUMN C

LASTROW = WS.Cells(WS.Rows.Count, "C").End(xlUp).row

' LOOP THROUGH EACH CELL IN COLUMN C, EXCLUDING THE FIRST TWO ROWS (HEADERS) AND THE LAST 20 ROWS

For Each cell In WS.Range("C3:C" & LASTROW - 20)

' CHECK IF THE FILL COLOR IS SET TO "WHITE"

If cell.Interior.Color <> RGB(255, 255, 255) Then

' CHECK IF THE VALUE IN THE CELL AND THE VALUE OF THE CELL ONE ROW BELOW ARE THE SAME

Set BELOWCELL = cell.Offset(1, 0)

If cell.value = BELOWCELL.value Then

' INSERT "TURN" INTO COLUMN M IN THE SAME ROW

WS.Cells(cell.row, "M").value = "TURN"

Else

' CHECK IF THE VALUE IN THE CELL AND THE VALUE OF THE CELL ONE ROW ABOVE ARE NOT THE SAME

Set ABOVECELL = cell.Offset(-1, 0)

If cell.value <> ABOVECELL.value Then

' INSERT "TERM" INTO COLUMN M IN THE SAME ROW

WS.Cells(cell.row, "M").value = "TERM"

End If

End If

End If

Next cell

' LOOP THROUGH COLUMN C AGAIN TO APPLY THE ADDITIONAL RULE

For Each cell In WS.Range("C3:C" & LASTROW - 20)

' CHECK IF THE FILL COLOR IS SET TO "WHITE"

If cell.Interior.Color = RGB(255, 255, 255) Then

' CHECK IF THE VALUE OF THE CELL ONE ROW ABOVE IS NOT THE SAME

Set ABOVECELL = cell.Offset(-1, 0)

If cell.value <> ABOVECELL.value Then

' INSERT "ORIG" INTO COLUMN M IN THE SAME ROW

WS.Cells(cell.row, "M").value = "ORIG"

End If

End If

Next cell

MsgBox "Turn Terms Orig.", vbInformation

End Sub

' STEP 5:

' ORIG Flight Time Organizing

Sub gatesheet5()

Dim WS As Worksheet

Dim LASTROW As Long, i As Long, J As Long

Dim TEMPROW As Range

Dim ROWSTOMOVE As Collection

' DEFINE YOUR WORKSHEET

Set WS = ThisWorkbook.Sheets("1") ' CHANGE "SHEET1" TO YOUR ACTUAL SHEET NAME

' FIND THE LAST ROW IN COLUMN C

LASTROW = WS.Cells(WS.Rows.Count, "C").End(xlUp).row

' INITIALIZE COLLECTION TO STORE ROWS TO BE MOVED

Set ROWSTOMOVE = New Collection

' LOOP THROUGH EACH CELL IN COLUMN C, STARTING FROM THE LAST ROW

For i = LASTROW To 3 Step -1 ' ASSUMING HEADERS ARE IN ROW 1 AND 2

' CHECK IF THE CELL HAS A WHITE FILL COLOR

If WS.Cells(i, "C").Interior.Color = RGB(255, 255, 255) Then

' CHECK IF THERE IS A MATCHING VALUE ONE ROW ABOVE

If WS.Cells(i - 1, "C").value = WS.Cells(i, "C").value Then

' SKIP THIS ROW AS IT MATCHES THE VALUE ONE ROW ABOVE

Else

' STORE THE ENTIRE ROW

Set TEMPROW = WS.Rows(i)

' FIND THE NEXT SMALLEST VALUE CELL WITH WHITE FILL COLOR IN COLUMN G

Dim FLIGHTTIME As String

FLIGHTTIME = WS.Cells(i, "G").value

For J = i - 1 To 3 Step -1

If WS.Cells(J, "G").Interior.Color = RGB(255, 255, 255) Then

If WS.Cells(J, "G").value < FLIGHTTIME Then

' MOVE THE ROW BELOW THE MATCHING ROW

Do While Not IsEmpty(WS.Cells(J + 1, "C"))

WS.Rows(J + 1).Insert Shift:=xlDown

Loop

' PASTE THE CUT ROW INTO THE DESTINATION ROW

TEMPROW.Cut Destination:=WS.Rows(J + 1)

Exit For ' EXIT THE LOOP ONCE A SUITABLE POSITION IS FOUND

End If

End If

Next J

End If

End If

Next i

' CLEAR CLIPBOARD

Application.CutCopyMode = False

' DELETE ROWS WITH EMPTY VALUES IN COLUMN A

LASTROW = WS.Cells(WS.Rows.Count, "A").End(xlUp).row

For i = LASTROW To 1 Step -1

If WS.Cells(i, "A").value = "" Then

WS.Rows(i).Delete

End If

Next i

MsgBox "Flight times organizing. Run until times are correct.", vbInformation

End Sub