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Sub StockData()

    Dim ws As Worksheet
    Dim total As Double
    Dim i As Long
    Dim change As Double
    Dim j As Integer
    Dim start As Long
    Dim rowCount As Long
    Dim percentChange As Double
    Dim days As Integer
    Dim dailyChange As Double
    Dim averageChange As Double

    ' Loop through each worksheet (each quarter)
    For Each ws In ThisWorkbook.Worksheets

        ' Set headers for output
        ws.Range("I1").Value = "Ticker"
        ws.Range("J1").Value = "Quarterly Change"
        ws.Range("K1").Value = "Percent Change"
        ws.Range("L1").Value = "Total Stock Volume"
        ws.Range("P1").Value = "Ticker"
        ws.Range("Q1").Value = "Value"
        ws.Range("O2").Value = "Greatest % Increase"
        ws.Range("O3").Value = "Greatest % Decrease"
        ws.Range("O4").Value = "Greatest Total Volume"

        ' Set initial values
        j = 0
        total = 0
        change = 0
        start = 2

        rowCount = ws.Cells(Rows.Count, "A").End(xlUp).Row

        For i = 2 To rowCount

            'If ticker changes then print results
            If ws.Cells(i + 1, 1).Value <> ws.Cells(i, 1).Value Then

                'Results in variables
                total = total + ws.Cells(i, 7).Value

                'Handle zero total volume
                If total = 0 Then
                    'print the results
                    ws.Range("I" & 2 + j).Value = ws.Cells(i, 1).Value
                    ws.Range("J" & 2 + j).Value = 0
                    ws.Range("K" & 2 + j).Value = "%" & 0
                    ws.Range("L" & 2 + j).Value = 0

                Else
                    If ws.Cells(start, 3) = 0 Then
                        For find_value = start To i
                            If ws.Cells(find_value, 3).Value <> 0 Then
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                start = find_value
                Exit For
            End If
        Next find_value
    End If

    'Calculate change
    change = (ws.Cells(i, 6) - ws.Cells(start, 3))
    percentChange = change / ws.Cells(start, 3)

    'next stock ticker
    start = i + 1

    'print results
    ws.Range("I" & 2 + j).Value = ws.Cells(i, 1).Value
    ws.Range("J" & 2 + j).Value = change
    ws.Range("J" & 2 + j).NumberFormat = "0.00"
    ws.Range("K" & 2 + j).Value = percentChange
    ws.Range("K" & 2 + j).NumberFormat = "0.00%"
    ws.Range("L" & 2 + j).Value = total

    'colors: positives green and negative red
    Select Case change
        Case Is > 0
            ws.Range("J" & 2 + j).Interior.ColorIndex = 4
        Case Is < 0
            ws.Range("J" & 2 + j).Interior.ColorIndex = 3 'added back green by changing 2 to 3
        Case Else
            ws.Range("J" & 2 + j).Interior.ColorIndex = 0
    End Select
  End If

  total = 0
  change = 0
  j = j + 1
  days = 0

 Else
    total = toal + ws.Cells(i, 7).Value

 End If

Next i

'max and min
ws.Range("Q2") = "%" & WorksheetFunction.Max(ws.Range("K2:K" & rowCount)) * 100
ws.Range("Q3") = "%" & WorksheetFunction.Min(ws.Range("K2:K" & rowCount)) * 100
ws.Range("Q4") = WorksheetFunction.Max(ws.Range("L2:L" & rowCount))

increase_number = WorksheetFunction.Match(WorksheetFunction.Max(ws.Range("K2:K" & rowCount)),
ws.Range("K2:K" & rowCount), 0)
decrease_number = WorksheetFunction.Match(WorksheetFunction.Min(ws.Range("K2:K" & rowCount)),
ws.Range("K2:K" & rowCount), 0)
volume_number = WorksheetFunction.Match(WorksheetFunction.Max(ws.Range("L2:L" & rowCount)),
ws.Range("L2:L" & rowCount), 0)
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            'final part
            ws.Range("P2") = ws.Cells(increase_number + 1, 9)
            ws.Range("P3") = ws.Cells(decrease_number + 1, 9)
            ws.Range("P4") = ws.Cells(volume_number + 1, 9)

        Next ws

        MsgBox "Stock data analysis complete!"

End Sub
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