Sub stock()

Dim stock\_volume As LongLong

' loop through each worksheet

For Each ws In Worksheets

'place column and row headers

ws.Range("I1").Value = "Ticker"

ws.Range("J1").Value = "Yearly Change"

ws.Range("K1").Value = "Percent Change"

ws.Range("L1").Value = "Total Stock Volume"

ws.Range("O2").Value = "Greatest % Increase"

ws.Range("O3").Value = "Greatest % Decrease"

ws.Range("O4").Value = "Greatest Total Volume"

ws.Range("P1").Value = "Ticker"

ws.Range("Q1").Value = "Value"

'set row at which to start building results table

tableRow = 2

'counter for number of rows within a ticker to calculate reference for first row of ticker

Count = 0

'stock volume variable for sum deposit

stock\_volume = 0

'finding the last filled row in main data on each ws

RowCount = ws.Range("A2", ws.Range("A2").End(xlDown)).Rows.Count

'finding the last filled row in result table on each ws

RowCount2 = ws.Range("I2", ws.Range("I2").End(xlDown)).Rows.Count

'formating the percent change results column to show 2 dec % and right align text

ws.Range("K:K").NumberFormat = "0.00%"

ws.Range("K:K").HorizontalAlignment = xlRight

'formating the greatest %inc and %dec bonus results to show 2 dec %

ws.Range("Q2:Q3").NumberFormat = "0.00%"

'iterate through each row starting below headers

For r = 2 To RowCount

'keep count of the number of rows as moving through each ticker

Count = Count + 1

'calculate total stock volume

stock\_volume = stock\_volume + ws.Cells(r, 7).Value

'recognize when end of list for a ticker is reached

If ws.Cells(r + 1, 1).Value <> ws.Cells(r, 1).Value Then

'copy ticker name to Ticker column in results table

ws.Cells(tableRow, 9).Value = ws.Cells(r, 1).Value

'calculate yearly change and place with each ticker in results table

ws.Cells(tableRow, 10).Value = ws.Cells(r, 6).Value - ws.Cells((r - Count) + 1, 3).Value

'format yearly change result red or green for neg and pos

If ws.Cells(tableRow, 10).Value > 0 Then

ws.Cells(tableRow, 10).Interior.Color = RGB(0, 255, 0)

ElseIf ws.Cells(tableRow, 10).Value < 0 Then

ws.Cells(tableRow, 10).Interior.Color = RGB(255, 0, 0)

End If

'calculate percent change first while avoiding div by 0

If ws.Cells((r - Count) + 1, 3).Value > 0 Then

ws.Cells(tableRow, 11).Value = (ws.Cells(r, 6).Value - ws.Cells((r - Count) + 1, 3).Value) / ws.Cells((r - Count) + 1, 3).Value

'if opening value is 0 or less, report result as n/a rather than calculate

Else

ws.Cells(tableRow, 11).Value = "%" & "0"

End If

'place stock volume with each ticker in results table

ws.Cells(tableRow, 12).Value = stock\_volume

'move to next result table row after each iteration

tableRow = tableRow + 1

'reset ticker row counter and stock\_volume for each new ticker

Count = 0

stock\_volume = 0

End If

Next r

'looping to fill greatest bonus table

For r = 2 To RowCount2

If ws.Cells(r, 11).Value > ws.Range("Q2").Value Then

ws.Range("P2").Value = ws.Cells(r, 9).Value

ws.Range("Q2").Value = ws.Cells(r, 11).Value

ElseIf ws.Cells(r, 11).Value < ws.Range("Q3").Value Then

ws.Range("P3").Value = ws.Cells(r, 9).Value

ws.Range("Q3").Value = ws.Cells(r, 11).Value

End If

If ws.Cells(r, 12).Value > ws.Range("Q4").Value Then

ws.Range("P4").Value = ws.Cells(r, 9).Value

ws.Range("Q4").Value = ws.Cells(r, 12).Value

End If

Next r

'adjust column widths to fit data

ws.Range("I:L").Columns.AutoFit

ws.Range("O2:O4").Columns.AutoFit

ws.Range("P1:Q4").Columns.AutoFit

Next ws

End Sub