Sub Stockinfo()

For Each ws In Worksheets

' naming columns for summary table

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

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

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

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

'Initializing variables

Dim ticker As String

Dim yearly\_change As Double

Dim percenatage\_change As Double

Dim beginning\_cost As Double

Dim closing\_cost As Double

Dim volume As Double

volume = 0

Dim summary\_table\_row As Integer

summary\_table\_row = 2

'iterating from 2 to the last row

For n = 2 To ws.Cells(Rows.Count, 1).End(xlUp).Row

' above last row of a ticker

If ws.Cells(n, 1) = ws.Cells(n + 1, 1) Then

'on first row of a ticker

If ws.Cells(n, 1) <> ws.Cells(n - 1, 1) Then

' save beginning\_cost

beginning\_cost = ws.Cells(n, 3).Value

End If

' add to volume

volume = volume + ws.Cells(n, 7).Value

' on the last row of a ticker

Else

' setting current ticker name

ticker = ws.Cells(n, 1).Value

'saving closing cost

closing\_cost = ws.Cells(n, 6).Value

' adding volume to total volume

volume = volume + ws.Cells(n, 7).Value

'setting yearly change

yearly\_change = closing\_cost - beginning\_cost

'set percentage\_change

percentage\_change = FormatPercent(yearly\_change / beginning\_cost)

' Printing current ticker name to summary table (Display Ticker on Colunm "I")

ws.Range("I" & summary\_table\_row).Value = ticker

' Printing total volume to summary table (Display Total Volume on Colunm "L")

ws.Range("L" & summary\_table\_row).Value = volume

'Print yearly\_change

ws.Range("J" & summary\_table\_row).Value = yearly\_change

'print percentage\_change

ws.Range("K" & summary\_table\_row).Value = percentage\_change

' if yearly\_change isgreater than 0

If yearly\_change > 0 Then

'Color Green

ws.Cells(summary\_table\_row, "J").Interior.ColorIndex = 4

'if yearly\_change lower than 0

ElseIf yearly\_change < 0 Then

'Color red

ws.Cells(summary\_table\_row, "J").Interior.ColorIndex = 3

Else

ws.Cells(summary\_table\_row, "J").Interior.ColorIndex = 2

End If

' increment the Summary Table Row

summary\_table\_row = summary\_table\_row + 1

' reset volume total

volume = 0

'debug feature Range("M2").Value = "Wasabi"

End If

Next n

'Bonus Problem

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"

'Initializing variables

Dim greatest\_increase\_value As Double

Dim greatest\_decrease\_value As Double

Dim greatest\_volume\_value As Double

Dim greatest\_increase\_ticker As String

Dim greatest\_decrease\_ticker As String

Dim greatest\_volume\_ticker As String

'loop through colunm k

For n = 2 To ws.Cells(Rows.Count, "K").End(xlUp).Row

'state function of greatest increase

If ws.Cells(n, "K") > greatest\_increase\_value Then

greatest\_increase\_ticker = ws.Cells(n, "I")

greatest\_increase\_value = ws.Cells(n, "K")

End If

'state function of Greatest decrease

If ws.Cells(n, "K") < greatest\_decrease\_value Then

greatest\_decrease\_ticker = ws.Cells(n, "I")

greatest\_decrease\_value = ws.Cells(n, "K")

End If

'state function of greatest totalvolume

If ws.Cells(n, "L") > greatest\_volume\_value Then

greatest\_volume\_ticker = ws.Cells(n, "I")

greatest\_volume\_value = ws.Cells(n, "L")

End If

Next n

' print greatest\_increase\_ticker

ws.Range("P2").Value = greatest\_increase\_ticker

' print greatest\_increase\_value

ws.Range("Q2").Value = FormatPercent(greatest\_increase\_value)

'Print greatest\_decrease\_ticker

ws.Range("P3").Value = greatest\_decrease\_ticker

'Print greatest\_decrease\_value

ws.Range("Q3").Value = FormatPercent(greatest\_decrease\_value)

'print greatest\_volume\_ticker

ws.Range("P4").Value = greatest\_volume\_ticker

'print greatest\_volume\_value

ws.Range("Q4").Value = greatest\_volume\_value

Next ws

End Sub