Sub stock\_prices()

Const FIRST\_DATA\_ROW As Integer = 2

Const TICKER\_COL As Integer = 1

Const OPEN\_PRICE\_COL As Integer = 3

Const COLOR\_GREEN As Integer = 4

Const COLOR\_RED As Integer = 3

Const GREATEST\_INCREASE\_ROW As Integer = 2

Const GREATEST\_DECREASE\_ROW As Integer = 3

Const GREATEST\_VOL\_ROW As Integer = 4

Dim summary\_table\_row As Long

Dim ticker As String

Dim next\_ticker As String

Dim total\_stock\_volume As Double

Dim opening\_price As Double

Dim closing\_price As Double

Dim yearly\_change As Double

Dim percent\_change As Double

Dim lastrow As Long

Dim input\_row As Long

Dim greatest\_total\_volume As Double

Dim greatest\_total\_volume\_ticker As String

Dim greatest\_percent\_increase As Double

Dim greatest\_percent\_increase\_ticker As String

Dim greatest\_percent\_decrease As Double

Dim greatest\_percent\_decrease\_ticker As String

Dim Worksheet\_name As String

For Each ws In Worksheets

Worksheet\_name = ws.Name

lastrow = ws.Cells(Rows.Count, TICKER\_COL).End(xlUp).Row

opening\_price = ws.Cells(FIRST\_DATA\_ROW, OPEN\_PRICE\_COL).Value

summary\_table\_row = FIRST\_DATA\_ROW

total\_stock\_volume = 0

greatest\_total\_volume = 0

greatest\_percent\_increase = 0

greatest\_percent\_decrease = 999999999999#

ws.Cells(1, 9).Value = "Ticker"

ws.Cells(1, 10).Value = "Yearly Change"

ws.Cells(1, 11).Value = "Percent Change"

ws.Cells(1, 12).Value = "Total Stock Volume"

ws.Cells(2, 15).Value = "Greatest % Increase"

ws.Cells(3, 15).Value = "Greatest % Decrease"

ws.Cells(4, 15).Value = "Greatest Total Volume"

ws.Cells(1, 16).Value = "Ticker"

ws.Cells(1, 17).Value = "Value"

For input\_row = FIRST\_DATA\_ROW To lastrow

ticker = ws.Cells(input\_row, TICKER\_COL).Value

next\_ticker = ws.Cells(input\_row + 1, TICKER\_COL).Value

total\_stock\_volume = total\_stock\_volume + ws.Cells(input\_row, 7).Value

'last row of current stock

If ticker <> next\_ticker Then

'inputs

closing\_price = ws.Cells(input\_row, 6).Value

'calculations

yearly\_change = closing\_price - opening\_price

If opening\_price > 0 Then

percent\_change = yearly\_change / opening\_price

Else

percent\_change = 0

End If

'outputs

ws.Cells(summary\_table\_row, 9).Value = ticker

ws.Cells(summary\_table\_row, 10).Value = yearly\_change

If yearly\_change < 0 Then

ws.Cells(summary\_table\_row, 10).Interior.ColorIndex = COLOR\_RED

Else

ws.Cells(summary\_table\_row, 10).Interior.ColorIndex = COLOR\_GREEN

End If

If total\_stock\_volume > greatest\_total\_volume Then

greatest\_total\_volume = total\_stock\_volume

greatest\_total\_volume\_ticker = ws.Cells(input\_row, TICKER\_COL).Value

End If

If percent\_change > greatest\_percent\_increase Then

greatest\_percent\_increase = percent\_change

greatest\_percent\_increase\_ticker = ws.Cells(input\_row, TICKER\_COL).Value

End If

If percent\_change < greatest\_percent\_decrease Then

greatest\_percent\_decrease = percent\_change

greatest\_percent\_decrease\_ticker = ws.Cells(input\_row, TICKER\_COL).Value

End If

ws.Cells(summary\_table\_row, 11).Value = FormatPercent(percent\_change)

ws.Cells(summary\_table\_row, 12).Value = total\_stock\_volume

'ws.Cells(summary\_table\_row, 13).Value = closing\_price

'ws.Cells(summary\_table\_row, 14).Value = opening\_price

ws.Cells(GREATEST\_VOL\_ROW, 16).Value = greatest\_total\_volume\_ticker

ws.Cells(GREATEST\_VOL\_ROW, 17).Value = greatest\_total\_volume

ws.Cells(GREATEST\_INCREASE\_ROW, 16).Value = greatest\_percent\_increase\_ticker

ws.Cells(GREATEST\_INCREASE\_ROW, 17).Value = FormatPercent(greatest\_percent\_increase)

ws.Cells(GREATEST\_DECREASE\_ROW, 16).Value = greatest\_percent\_decrease\_ticker

ws.Cells(GREATEST\_DECREASE\_ROW, 17).Value = FormatPercent(greatest\_percent\_decrease)

'prepare for next stock

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

opening\_price = ws.Cells(input\_row + 1, OPEN\_PRICE\_COL).Value

total\_stock\_volume = 0

End If

Next input\_row

Next ws

MsgBox ("done")

End Sub