Sub StockMarket()

'Create headers for new table

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

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

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

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

'Formatting

Range("C:F").NumberFormat = "0.00"

Range("G:G").NumberFormat = "#,###"

Range("J:J").NumberFormat = "0.00"

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

Range("L:L").NumberFormat = "#,###"

'Initialization

Dim LastRow As Long

LastRow = Cells(2, 1).End(xlDown).Row

Dim StockCount As Long

StockCount = 1

Dim LastRowTable As Long

LastRowTable = Cells(2, 9).End(xlDown).Row

Dim PriceStart As Double

Dim PriceEnd As Double

Dim TotalStockVolume As Double

TotalStockVolume = 0

'Fill in first three columns of table

For i = 2 To LastRow

If i = 2 Then 'To avoid referencing top row (bc of how I wrote code)

Cells(1 + StockCount, 9).Value = Cells(i, 1).Value

PriceStart = Cells(i, 6).Value

StockCount = StockCount + 1

ElseIf Cells(i - 1, 1).Value <> Cells(i, 1).Value Then

Cells(1 + StockCount, 9).Value = Cells(i, 1).Value

PriceEnd = Cells(i - 1, 6).Value 'Reference closing price

'Display yearly price change

Cells(StockCount, 10).Value = PriceEnd - PriceStart

'Display yearly percentage change

If (PriceStart = 0 And PriceEnd = 0) Then

Cells(StockCount, 11).Value = 0 'To handle situation with no price date (i.e. PLNT)

Else

Cells(StockCount, 11).Value = (PriceEnd / PriceStart) - 1

End If

PriceStart = Cells(i, 6).Value

StockCount = StockCount + 1

ElseIf i = LastRow Then 'This is sloppy on my part, but necessary bc of how I structured code above

PriceEnd = Cells(i, 6).Value

'Display yearly price change

Cells(StockCount, 10).Value = PriceEnd - PriceStart

'Display yearly percentage change

If (PriceStart = 0 And PriceEnd = 0) Then

Cells(StockCount, 11).Value = 0 'To handle situation with no price date (i.e. PLNT)

Else

Cells(StockCount, 11).Value = (PriceEnd / PriceStart) - 1

End If

End If

Next i

'Fill in Total Stock Volume

StockCount = 1

For i = 2 To LastRow

If Cells(i + 1, 1).Value = Cells(i, 1) Then

TotalStockVolume = TotalStockVolume + Cells(i, 7)

End If

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

TotalStockVolume = TotalStockVolume + Cells(i, 7)

Cells(1 + StockCount, 12).Value = TotalStockVolume

StockCount = StockCount + 1

TotalStockVolume = 0

End If

Next i

'Format Yearly Change column

For i = 2 To LastRowTable

If Cells(i, 10).Value > 0 Then

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

ElseIf Cells(i, 10).Value < 0 Then

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

End If

Next i

'Additional work for Hard challenge below

'Create headers for new table

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

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

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

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

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

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

Range("Q4").NumberFormat = "#,###"

Dim MaxUp As Double

Dim MaxDown As Double

Dim MaxVolume As Double

Dim TickerMaxUp As String

Dim TickerMaxDown As String

Dim TickerMaxVolume As String

MaxUp = Cells(2, 11).Value

MaxDown = Cells(2, 11).Value

MaxVolume = Cells(2, 12).Value

For i = 3 To LastRowTable

If Cells(i, 11).Value > MaxUp Then

MaxUp = Cells(i, 11).Value

TickerMaxUp = Cells(i, 9).Value

ElseIf Cells(i, 11).Value < MaxDown Then

MaxDown = Cells(i, 11).Value

TickerMaxDown = Cells(i, 9).Value

End If

If Cells(i, 12).Value > MaxVolume Then

MaxVolume = Cells(i, 12).Value

TickerMaxVolume = Cells(i, 9).Value

End If

Next i

Cells(2, 17).Value = MaxUp

Cells(3, 17).Value = MaxDown

Cells(4, 17).Value = MaxVolume

Cells(2, 16).Value = TickerMaxUp

Cells(3, 16).Value = TickerMaxDown

Cells(4, 16).Value = TickerMaxVolume

'Auto-fit so that column headers and row labels are legible

Columns("A:Q").AutoFit

End Sub