Sub Stock Market Sheets Analysis ():

‘Declare variables

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

‘Assign value to variable/arrays

YearValue = InputBox (“Enter year of stock market sheet to analyze”)

StartTime = Timer

j = 0

total = 0

change = 0

start = 2

‘Format the output sheet for all the Stock Analysis worksheets per year

Worksheets(“All Stock Analysis Sheets”).Activate

Range(“A1”).Value = “All Stocks (“ + YearValue + “)”

‘Create a new header rows for each sheet

Range(“I1”).Value = “Ticker”

Range(“J1”).Value = “Yearly Change”

Range(“K1”).Value = “Percent Change”

Range(“L1”).Value = “Total Stock Volume”

Range(“P1”).Value = “Ticker”

Range(“Q1”).Value = “Value”

Range(“O2”).Value = “Greatest % Increase”

Range(“O3”).Value = “Greatest % Decrease”

‘Activate each worksheet

Worksheet(YearValue).Activate

‘Retrieve the number of rows to loop over in the spreadsheet

RowCount = Cells(Rows.Count, “A”).End(xlUp).Row

For 1 = 2 To RowCount

‘Write code to identify new ticker ID, when ticker changes in the sheet

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

‘Total of variable per ticker

Total = total + Cells(i , 7).Value

‘When a value in the total column is zero

If total = 0 Then

‘Value of results when there is a zero

Range(“I” & 2 + j).Value = Cells (I, 1).Value

Range(“J” & 2 + j).Value = 0

Range(“K” & 2 + j).Value = “%” & 0

Range(“L” & 2 + j). Value = 0

Else

‘Find the first value that is not zero

If Cells(start, 3) = 0 Then

For find\_value = start To i

If Cells(find\_value, 3).Value<>0 Then

Start = find\_value

Exit For

End If

Next find\_value

End if

‘Check for changes in rows and percentages

Change = (Cells (i, 6) – Cells(start, 3))

percentChange = Round((change / Cells(start, 3) \* 100), 2)

‘Continue to analyze the next group of tickers that are not zero

Start = i + 1

Range(“I” & 2 + j).Value = Cells (I, 1).Value

Range(“J” & 2 + j).Value = Round(change, 2)

Range(“K” & 2 + j).Value = “%” & percentChange

Range(“L” & 2 + j).Value = total

‘Formatting

Worksheet(“All Stocks Analysis Sheets”).Activate

If Range (“J”)>0

Range(“J” & 2 + j).Interior.Color = vbGreen

If Range (“J”)<0

Range(“J” & 2 +j).Interior.Color = vbRed

Else

End If