**Catherine Descallar**

**HW2 – VBA of Wall Street**

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**EXCEL DEVELOPER**

Sub HW2()

Dim Col As Double

Dim Total\_Volume As Double

Dim WS As Worksheet

For Each WS In ActiveWorkbook.Worksheets

WS.Activate

' heading summary

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

Cells(1, 10).Value = "Total Stock Volume"

Col = 2

Cells(Col, 9).Value = Cells(Col, 1).Value

LastRow = Cells(Rows.Count, 1).End(xlUp).Row

For Row = 2 To LastRow

If Cells(Row, 1).Value = Cells(Col, 9) Then

Total\_Volume = Total\_Volume + Cells(Row, 7).Value

Else

Cells(Col, 10).Value = Total\_Volume

Total\_Volume = Cells(Row, 7).Value

Col = Col + 1

Cells(Col, 9).Value = Cells(Row, 1).Value

End If

Next Row

Cells(Col, 10).Value = Total\_Volume

Next WS

End Sub

Sub HW2\_wallstreet()

' loop worksheets

Dim WS As Worksheet

For Each WS In ActiveWorkbook.Worksheets

WS.Activate

LastRow = WS.Cells(Rows.Count, 1).End(xlUp).Row

Cells(1, "I").Value = "Ticker"

Cells(1, "J").Value = "Yearly Change"

Cells(1, "K").Value = "Percent Change"

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

Dim Open\_Price As Double

Dim Close\_Price As Double

Dim Yearly\_Change As Double

Dim Ticker\_Name As String

Dim Percent\_Change As Double

Dim Volume As Double

Volume = 0

Dim Row As Double

Row = 2

Dim Column As Integer

Column = 1

Dim i As Long

'set inital open price

Open\_Price = Cells(2, Column + 2).Value

' Loop all ticker symbol

For i = 2 To LastRow

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

' Set Ticker name

Ticker\_Name = Cells(i, Column).Value

Cells(Row, Column + 8).Value = Ticker\_Name

' Set Close Price

Close\_Price = Cells(i, Column + 5).Value

' Add Yearly Change

Yearly\_Change = Close\_Price - Open\_Price

Cells(Row, Column + 9).Value = Yearly\_Change

' Add Percent Change

If (Open\_Price = 0 And Close\_Price = 0) Then

Percent\_Change = 0

ElseIf (Open\_Price = 0 And Close\_Price <> 0) Then

Percent\_Change = 1

Else

Percent\_Change = Yearly\_Change / Open\_Price

Cells(Row, Column + 10).Value = Percent\_Change

Cells(Row, Column + 10).NumberFormat = "0.00%"

End If

' Add Total Volume

Volume = Volume + Cells(i, Column + 6).Value

Cells(Row, Column + 11).Value = Volume

' Add one to the summary table row

Row = Row + 1

' reset Open Price

Open\_Price = Cells(i + 1, Column + 2)

' reset total volume

Volume = 0

'if cells have the same ticker

Else

Volume = Volume + Cells(i, Column + 6).Value

End If

Next i

' last row yearly change worksheets

YC\_LastR = WS.Cells(Rows.Count, Column + 8).End(xlUp).Row

' Set the Cell Colors

For j = 2 To YC\_LastR

If (Cells(j, Column + 9).Value > 0 Or Cells(j, Column + 9).Value = 0) Then

Cells(j, Column + 9).Interior.ColorIndex = 10

ElseIf Cells(j, Column + 9).Value < 0 Then

Cells(j, Column + 9).Interior.ColorIndex = 3

End If

Next j

Next WS

End Sub