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VBA Homework

Scripts

Alphabetical Testing:

Sub forLoop()

Dim ticker As String

Dim vol As Double

vol = 0

Dim summary As Integer

summary = 2

Dim yearly\_change As Double

' Create a variable to hold stock for one year

Dim alphabetical\_testingcount As Integer

Dim year\_open As Double

Dim year\_close As Double

alphabetical\_testingcount = 0

year\_open = Cells(2, 6).Value

' Loop through each row

For i = 2 To 70926

vol = vol + Cells(i, 7).Value

'check to see when stock ticker changes

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

Cells(summary, 8).Value = Cells(i, 1)

Cells(summary, 11).Value = vol

vol = 0

year\_close = Cells(i, 6).Value

yearly\_change = year\_close - year\_open > 0

Cells(summary, 9).Value = yearly\_change

Cells(summary, 10).Value = (yearly\_change / year\_open > 0) \* 100

'make sure year open is greater than 0

year\_open = Cells(i + 1, 6).Value

summary = summary + 1

End If

Next i

' iterate through the rows to summarize the Ticker symbols

Cells(1, 8).Value = "ticker"

Cells(1, 9).Value = "Yearly\_change"

Cells(1, 10).Value = "Yearly\_percentage"

Cells(1, 11).Value = "Total Stock Value"

End Sub

**Multi Year Stock:**

Sub forLoop()

Dim ticker As String

Dim vol As Double

vol = 0

Dim summary As Integer

summary = 2

Dim yearly\_change As Double

' Create a variable to hold stock for one year

Dim alphabetical\_testingcount As Integer

Dim year\_open As Double

Dim year\_close As Double

alphabetical\_testingcount = 0

year\_open = Cells(2, 6).Value

' Loop through each row

For i = 2 To 70926

vol = vol + Cells(i, 7).Value

'check to see when stock ticker changes

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

Cells(summary, 8).Value = Cells(i, 1)

Cells(summary, 11).Value = vol

vol = 0

year\_close = Cells(i, 6).Value

yearly\_change = year\_close - year\_open

Cells(summary, 9).Value = yearly\_change

Cells(summary, 10).Value = (yearly\_change / year\_open) \* 100

'make sure year open is greater than 0

year\_open = Cells(i + 1, 6).Value

summary = summary + 1

End If

Next i

' iterate through the rows to summarize the Ticker symbols

Cells(1, 8).Value = "ticker"

Cells(1, 9).Value = "Yearly\_change"

Cells(1, 10).Value = "Yearly\_percentage"

Cells(1, 11).Value = "Total Stock Value"

Cells(2, 14) = "Greatest % Increase"

Cells(3, 14) = "Greatest % Decrease"

Cells(4, 14) = "Greatest Total Volume"

Cells(1, 15) = "Ticker"

Cells(1, 16) = "Value"

End Sub