|  |
| --- |
| Sub Stocks() |
|  |  |
|  | 'Create a loop |
|  |
|  | Dim ws as Worksheet |
|  |  |
|  | 'Start loop |
|  | For Each ws in Worksheets |
|  |  |
|  | 'Create column labels |
|  | 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" |
|  |  |
|  |
|  | Dim ticker\_symbol As String |
|  |  |
|  |
|  | Dim total\_vol As Double |
|  | total\_vol = 0 |
|  |  |
|  |
|  | Dim rowcount As Long |
|  | rowcount = 2 |
|  |  |
|  |  |
|  | Dim year\_open As Double |
|  | year\_open = 0 |
|  |  |
|  |  |
|  | Dim year\_close As Double |
|  | year\_close = 0 |
|  |  |
|  | Dim year\_change As Double |
|  | year\_change = 0 |
|  |  |
|  |
|  | Dim percent\_change As Double |
|  | percent\_change = 0 |
|  |  |
|  | 'Set variable for total rows |
|  | Dim lastrow As Long |
|  | lastrow = ws.Cells(Rows.Count, 1).End(xlUp).Row |
|  |  |
|  | 'Loop to search |
|  | For i = 2 To lastrow |
|  |  |
|  | 'Conditional to grab year open price |
|  | If ws.Cells(i, 1).Value <> ws.Cells(i - 1, 1).Value Then |
|  |  |
|  | year\_open = ws.Cells(i, 3).Value |
|  |  |
|  | End If |
|  |  |
|  | 'Total up the volume for each row to determine the total stock volume for the year |
|  | total\_vol = total\_vol + ws.Cells(i, 7) |
|  |  |
|  | 'Conditional to determine if the ticker symbol is changing |
|  | If ws.Cells(i, 1).Value <> ws.Cells(i + 1, 1).Value Then |
|  |  |
|  | 'Move ticker symbol |
|  | ws.Cells(rowcount, 9).Value = ws.Cells(i, 1).Value |
|  |  |
|  | 'Move total stock |
|  | ws.Cells(rowcount, 12).Value = total\_vol |
|  |  |
|  | 'Grab year end price |
|  | year\_close = ws.Cells(i, 6).Value |
|  |  |
|  | 'Calculate the price change. |
|  | year\_change = year\_close - year\_open |
|  | ws.Cells(rowcount, 10).Value = year\_change |
|  |  |
|  | 'Conditional to format and highlight. |
|  | If year\_change >= 0 Then |
|  | ws.Cells(rowcount, 10).Interior.ColorIndex = 4 |
|  | Else |
|  | ws.Cells(rowcount, 10).Interior.ColorIndex = 3 |
|  | End If |
|  |  |
|  |  |
|  | 'Conditional for calculating percent change |
|  | If year\_open = 0 and year\_close = 0 Then |
|  | 'Starting at zero and ending at zero will be a zero increase. Cannot use a formula because |
|  |
|  | percent\_change = 0 |
|  | ws.Cells(rowcount, 11).Value = percent\_change |
|  | ws.Cells(rowcount, 11).NumberFormat = "0.00%" |
|  | ElseIf year\_open = 0 Then |
|  |
|  |
|  | '"New Stock" as percent change. |
|  | Dim percent\_change\_NA As String |
|  | percent\_change\_NA = "New Stock" |
|  | ws.Cells(rowcount, 11).Value = percent\_change |
|  | Else |
|  | percent\_change = year\_change / year\_open |
|  | ws.Cells(rowcount, 11).Value = percent\_change |
|  | ws.Cells(rowcount, 11).NumberFormat = "0.00%" |
|  | End If |
|  |  |
|  |
|  | rowcount = rowcount + 1 |
|  |  |
|  | 'Reset total stock volume, year open price, year close price, year change, year percent change |
|  | total\_vol = 0 |
|  | year\_open = 0 |
|  | year\_close = 0 |
|  | year\_change = 0 |
|  | percent\_change = 0 |
|  |  |
|  | End If |
|  | Next i |
|  |  |
|  | 'Create a best/worst performance table |
|  | 'Titles |
|  | 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" |
|  |  |
|  | 'Assign lastrow |
|  | lastrow = ws.Cells(Rows.Count, 9).End(xlUp).Row |
|  |  |
|  | 'Set variables |
|  | Dim best\_stock as String |
|  | Dim best\_value as Double |
|  |  |
|  | 'best performer |
|  | best\_value = ws.Cells(2, 11).Value |
|  |  |
|  | Dim worst\_stock as String |
|  | Dim worst\_value as Double |
|  |  |
|  | 'worst performer |
|  | worst\_value = ws.Cells(2, 11).Value |
|  |  |
|  | Dim most\_vol\_stock as String |
|  | Dim most\_vol\_value as Double |
|  |  |
|  | 'most value |
|  | most\_vol\_value = ws.Cells(2, 12).Value |
|  |  |
|  | 'Loop |
|  | for j = 2 to lastrow |
|  |  |
|  | ' best performer |
|  | if ws.Cells(j, 11).Value > best\_value Then |
|  | best\_value = ws.Cells(j, 11).Value |
|  | best\_stock = ws.Cells(j, 9).Value |
|  | End If |
|  |  |
|  | ' worst performer |
|  | if ws.Cells(j, 11).Value < worst\_value Then |
|  | worst\_value = ws.Cells(j, 11).Value |
|  | worst\_stock = ws.Cells(j, 9).Value |
|  | End If |
|  |  |
|  | ‘ greatest volume traded |
|  | if ws.Cells(j, 12).Value > most\_vol\_value Then |
|  | most\_vol\_value = ws.Cells(j, 12).Value |
|  | most\_vol\_stock = ws.Cells(j, 9).Value |
|  | End If |
|  |  |
|  | Next j |
|  |  |
|  | 'Move |
|  | ws.Cells(2, 16).Value = best\_stock |
|  | ws.Cells(2, 17).Value = best\_value |
|  | ws.Cells(2, 17).NumberFormat = "0.00%" |
|  | ws.Cells(3, 16).Value = worst\_stock |
|  | ws.Cells(3, 17).Value = worst\_value |
|  | ws.Cells(3, 17).NumberFormat = "0.00%" |
|  | ws.Cells(4, 16).Value = most\_vol\_stock |
|  | ws.Cells(4, 17).Value = most\_vol\_value |
|  |  |
|  | 'Autofit |
|  | ws.Columns("I:L").EntireColumn.Autofit |
|  | ws.Columns("O:Q").EntireColumn.Autofit |
|  |  |
|  | Next ws |
|  |  |
|  | End Sub |