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Sub VBA_Scripting_Assignment()

Dim xSh As Worksheet
   Application.ScreenUpdating = False
   For Each xSh In Worksheets
      xSh.Select
      Call RunCode
   Next
   Application.ScreenUpdating = True
End Sub
Sub RunCode()


'New repository created

Dim tickername As String
Dim tickervolume As Double
      tickervolume = 0
Dim summary_table_row As Integer
      summary_table_row = 2


 ' Yearly change = closeprice at the year end - open price at beginning of the year
Dim open_price As Double
      open_price = Cells(2, 3).Value
Dim close_price As Double
Dim yearly_change As Double
Dim percent_change As Double


'labels of description
Cells(1, 9).Value = "Ticker"
Cells(1, 10).Value = "Yearly change"
Cells(1, 11).Value = "Percent change"
Cells(1, 12).Value = "Total Stock Volume"

'count the number of rows
lastrow = Cells(Rows.count, 1).End(xlUp).Row


For i = 2 To lastrow

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

         'put ticker name
         tickername = Cells(i, 1).Value

         'add volume of stocks
         tickervolume = tickervolume + Cells(i, 7).Value
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    'put the ticker name in the summary table
    Range("I" & summary_table_row).Value = tickername

    'put the stock volume for each ticker in the summary table
    Range("L" & summary_table_row).Value = tickervolume

    'open_price
    'open_price = Cells(i, 3).Value

    'closing price
    close_price = Cells(i, 6).Value

    'Yearly change computation
    yearly_change = close_price - open_price

    'put the yearly change on summary table
    Range("J" & summary_table_row).Value = yearly_change

    'confirm for Mod
       If (open_price = 0) Then

       percent_change = 0

       Else
          percent_change = yearly_change / open_price

       End If

     'input yearly change on the summary table
     Range("K" & summary_table_row).Value = percent_change
     Range("K" & summary_table_row).NumberFormat = "0.00%"


     'reset row counter
     summary_table_row = summary_table_row + 1

     'reset stocks to 0
     tickervolume = 0

     'reset opening price
     open_price = Cells(i + 1, 3)

Else

    'add volume of stocks
    tickervolume = tickervolume + Cells(i, 7).Value

End If
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  Next i



  'Conditionalformatting

  lastrow_summary_table = Cells(Rows.count, 9).End(xlUp).Row

  'Color code yearly change
      For i = 2 To lastrow_summary_table
         If Cells(i, 10).Value > 0 Then
            Cells(i, 10).Interior.ColorIndex = 4
         Else
            Cells(i, 10).Interior.ColorIndex = 3
         End If
      Next i



   'Highlight the stock price changes
   'First label the cells according to the sample .png provided in the assignment

      Cells(2, 15).Value = "Greatest percentage increase"
      Cells(3, 15).Value = "Greatest percentage decrease"
      Cells(4, 15).Value = "Greatest Total Volume"
      Cells(1, 16).Value = "Ticker"
      Cells(1, 17).Value = "Value"

   'Determine the max and min values in column "Percent Change" and just max in
column "Total Stock Volume"
   'Then collect the ticker name, and the corresponding values for the percent
change and total volume of trade for that ticker
   '
      For i = 2 To lastrow_summary_table
         'Find the maximum percent change
         If Cells(i, 11).Value = Application.WorksheetFunction.Max(Range("K2:K" &
lastrow_summary_table)) Then
            Cells(2, 16).Value = Cells(i, 9).Value
            Cells(2, 17).Value = Cells(i, 11).Value
            Cells(2, 17).NumberFormat = "0.00%"

         'Find the minimum percent change
         ElseIf Cells(i, 11).Value = Application.WorksheetFunction.Min(Range("K2:K"
& lastrow_summary_table)) Then
            Cells(3, 16).Value = Cells(i, 9).Value
            Cells(3, 17).Value = Cells(i, 11).Value
            Cells(3, 17).NumberFormat = "0.00%"

         'Find the maximum volume of trade
         ElseIf Cells(i, 12).Value = Application.WorksheetFunction.Max(Range("L2:L"
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& lastrow_summary_table)) Then
                Cells(4, 16).Value = Cells(i, 9).Value
                Cells(4, 17).Value = Cells(i, 12).Value

            End If

        Next i

End Sub
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