Sub stocks()

Dim LastRow As Long

Dim Ticker As String

Dim OpeningPrice As Double

Dim YearlyChange As Double

Dim PercentageChange As Double

Dim MaxIncreaseTicker As String

Dim MaxDecreaseTicker As String

Dim MaxIncrease As Double

Dim MaxDecrease As Double

Dim OutputRow As Long

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

OutputRow = 2 ' This is where the output will start from

' This will write the total of the column and output to I1, J1 and K1

Range("I1").Value = "Ticker"

Range("J1").Value = "Yearly Change"

Range("K1").Value = "Percentage Change"

' These variables keep track of the max increase and decrease

MaxIncrease = 0

MaxDecrease = 0

' created the loop

For i = 2 To LastRow

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

' calculating the percentage change, yearly change and then outputting it

If Ticker <> "" Then

YearlyChange = Cells(i - 1, 6).Value - OpeningPrice

PercentageChange = (YearlyChange / OpeningPrice) \* 100

Range("I" & OutputRow).Value = Ticker

Range("J" & OutputRow).Value = YearlyChange

Range("K" & OutputRow).Value = PercentageChange

OutputRow = OutputRow + 1

' checking for max increase/max decrease

If PercentageChange > MaxIncrease Then

MaxIncrease = PercentageChange

MaxIncreaseTicker = Ticker

ElseIf PercentageChange < MaxDecrease Then

MaxDecrease = PercentageChange

MaxDecreaseTicker = Ticker

End If

End If

Ticker = Cells(i, 1).Value

OpeningPrice = Cells(i, 3).Value

End If

Next i

' last tickers yearly change and percentage change

YearlyChange = Cells(LastRow, 6).Value - OpeningPrice

PercentageChange = (YearlyChange / OpeningPrice) \* 100

Range("I" & OutputRow).Value = Ticker

Range("J" & OutputRow).Value = YearlyChange

Range("K" & OutputRow).Value = PercentageChange

OutputRow = OutputRow + 1

' the stock ticker with the greatest increase and decrease

Range("P1").Value = "Max Increase Ticker"

Range("Q1").Value = "Max Decrease Ticker"

Range("P2").Value = MaxIncreaseTicker

Range("Q2").Value = MaxDecreaseTicker

End Sub