Sub Mod\_2\_Challenge\_Pt2()

Dim stockSymbolColumn As Long

Dim i As Long

Dim stockSymbol As String

Dim lastRow As Long

Dim dateColumn As Long

Dim initialClosingPrice As Double

Dim closingPriceColumn As Long

Dim yearlyChange As Double

Dim ws As Worksheet

' Set the worksheet and column numbers

Set ws = ActiveSheet

stockSymbolColumn = 1

dateColumn = 2

closingPriceColumn = 6

' Find the last row in the worksheet

lastRow = ws.Cells(ws.Rows.Count, stockSymbolColumn).End(xlUp).Row

' Initialize variables

stockSymbol = ws.Cells(2, stockSymbolColumn).Value

initialClosingPrice = ws.Cells(2, closingPriceColumn).Value

' Add a new column for yearly change

ws.Cells(1, 11).Value = "Yearly Change"

' Initialize the new row variable

newRow = 2 ' Start from row 2 to write the yearly change data

' Loop through the data

For i = 3 To lastRow ' Start from row 3 assuming headers are in row 2

If ws.Cells(i, stockSymbolColumn).Value <> stockSymbol Then

' Calculate and display the yearly change when a new stock symbol is encountered

yearlyChange = ws.Cells(i - 1, closingPriceColumn).Value - initialClosingPrice

ws.Cells(newRow, 11).Value = yearlyChange ' Insert yearly change value in column K

newRow = newRow + 1 ' Move to the next row for the next stock symbol

' Update variables for the new stock symbol

stockSymbol = ws.Cells(i, stockSymbolColumn).Value

initialClosingPrice = ws.Cells(i, closingPriceColumn).Value

End If

Next i

' Calculate and display the yearly change for the last stock symbol

yearlyChange = ws.Cells(lastRow, closingPriceColumn).Value - initialClosingPrice

ws.Cells(newRow, 11).Value = yearlyChange ' Insert yearly change value in the last row of column K

End Sub