Sub SummarizeYear()

'Declare variable names and their types

Dim YearSheet As Worksheet

Dim YearTabs(3) As String

Dim More As Boolean

Dim FirstCycle As Boolean

Dim Row As Long

Dim TickerCnt As Long

Dim Ticker As String

Dim HoldTicker As String

Dim OpenPrice As Double

Dim ClosingPrice As Double

Dim Volume As Double

'Set years representing three worksheets to loop through

YearTabs(0) = "2016"

YearTabs(1) = "2015"

YearTabs(2) = "2014"

For x = 0 To 2

'Set worksheets

Set YearSheet = ThisWorkbook.Worksheets(YearTabs(x))

YearSheet.Activate

More = True

TickerCnt = 0

Row = 1

Ticker = ""

HoldTicker = ""

FirstCycle = True

Volume = 0

'Set columns and their headings of output for Ticker, Yearly Change, Percent Change and Total Stock Volume

Do While More = True

Row = Row + 1

If YearSheet.Cells(Row, 1).Value = "" Then More = False

Ticker = YearSheet.Cells(Row, 1).Value

If FirstCycle Then

TickerCnt = TickerCnt + 1

HoldTicker = Ticker

OpenPrice = YearSheet.Cells(Row, 3).Value

YearSheet.Cells(1, 9).Value = "Ticker"

YearSheet.Cells(1, 10).Value = "Yearly Change"

YearSheet.Cells(1, 11).Value = "Percent Change"

YearSheet.Cells(1, 12).Value = "Total Stock Volume"

FirstCycle = False

End If

If Ticker <> HoldTicker Then

'Write results corresponding to columns created for output

YearSheet.Cells(1 + TickerCnt, 9).Value = HoldTicker

If OpenPrice = 0 Or ClosingPrice = 0 Then

YearSheet.Cells(1 + TickerCnt, 10).Value = 0

YearSheet.Cells(1 + TickerCnt, 11).Value = 0

Else

YearSheet.Cells(1 + TickerCnt, 10).Value = ClosingPrice - OpenPrice

YearSheet.Cells(1 + TickerCnt, 11).Value = (YearSheet.Cells(1 + TickerCnt, 10).Value / OpenPrice) \* 100

End If

YearSheet.Cells(1 + TickerCnt, 12).Value = Volume

'Colour conditional formatting for yearly change output

For Each cell In ActiveSheet.Range("J" & Rows.Count).End(xlUp)

If cell.Value < 0 Then

cell.Interior.ColorIndex = 3

ElseIf cell.Value > 0 Then

cell.Interior.ColorIndex = 4

Else

cell.Interior.ColorIndex = xlNone

End If

Next

'Number format for percent change output

For Each cell In ActiveSheet.Range("K" & Rows.Count).End(xlUp)

If cell.Value <> 0 Then

cell.NumberFormat = "0.00\%"

Else

cell.NumberFormat = xlNone

End If

Next

HoldTicker = Ticker

TickerCnt = TickerCnt + 1

OpenPrice = YearSheet.Cells(Row, 3).Value

Volume = 0

End If

ClosingPrice = YearSheet.Cells(Row, 6).Value

Volume = Volume + YearSheet.Cells(Row, 7).Value

'Loop through the next worksheet

Loop

Next x

'Alert to notify user of the completion of the process

MsgBox ("Done")

End Sub