**HOMEWORK VBA Rubi Trujillo Godinez**

**Final Code.**

**It requires that file has a Sheet called Introduce. There you find the button to activate the macro. There is also a Userform with code.**

**Userform Code.**

Public Sub UserForm\_Initialize()

Listbox1.AddItem "2012"

Listbox1.AddItem "2013"

Listbox1.AddItem "2014"

Listbox1.AddItem "2015"

Listbox1.AddItem "2016"

Listbox1.AddItem "2017"

Listbox1.AddItem "2018"

Listbox1.AddItem "2019"

End Sub

Public Sub ListBox1\_Click()

'inicia con cero

If Listbox1.Selected(0) = True Then

year = "2012"

ElseIf Listbox1.Selected(1) = True Then

year = "2013"

ElseIf Listbox1.Selected(2) = True Then

year = "2014"

ElseIf Listbox1.Selected(3) = True Then

year = "2015"

ElseIf Listbox1.Selected(4) = True Then

year = "2016"

ElseIf Listbox1.Selected(5) = True Then

year = "2017"

ElseIf Listbox1.Selected(6) = True Then

year = "2018"

ElseIf Listbox1.Selected(7) = True Then

year = "2019"

ElseIf Listbox1.Selected(-1) = True Then

year = ""

End If

If year = "" Then

MsgBox "Nothing was selected!"

Else

MsgBox "You selected year: " & year

Worksheets("introduce").Range("C3") = year

End If

'me es como un nombre default al parecer

Unload Me

End Sub

**Module Code.**

Public year, mastersheet As String

'Option Explicit

Sub acumula()

Dim ticker, nextik, mastersheet, year, mysheet, mes As String

Dim vol, acumvol As Double

Dim anio, i, s, h, reng, col, j As Double

Dim WS As Worksheet

Dim exists As Boolean

Dim mycell As Range

'agrego hoja para recuperar anio ya debe existir dado que aun no concluyo la forma

'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

' seccion nueva hoja anio

'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

'MsgBox ("write year in 4 digits")

'year = Worksheets("introduce").Range("C3")

'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

' seccion nueva hoja ACUM

'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

s = Worksheets.Count 'cuenta el numero de hojas

'Revisa si existe hoja acum y si no la crea

For h = 1 To s

If Worksheets(h).Name = "Acum" Then

exists = True

End If

Next h

If Not exists Then

'Worksheets.Add.Name = "MySheet"

Worksheets.Add(After:=Worksheets(s)).Name = "Acum"

End If

'' Worksheets.Add(After:=Worksheets(1)).Name = "Acum"

mastersheet = "Acum"

Worksheets(mastersheet).Range("A:C").Columns.Delete

Worksheets(mastersheet).Cells(2, 1) = "TICKER"

Worksheets(mastersheet).Cells(2, 2) = "VOLUMEN"

Worksheets(mastersheet).Cells(2, 3) = "AÑO"

' mycell = Cells(2, 1).activate 'original

'ya esta como rango mycell

Set mycell = ActiveCell

ActiveSheet.Range(mycell, mycell.End(xlUp)).Select

reng = ActiveCell.Row

col = ActiveCell.Column

UserForm1.Show 'adentro de nuevo a fuera las variables se borran

For i = 1 To (s - 2) 'desde la hoja 1 barre todas las que tenga.. le quito la Acum y ahora anio

ActiveWorkbook.Worksheets(i).Activate

mysheet = ActiveSheet.Name

'pongo filtro y selecciono el ano elegido por usuario

year = Worksheets("introduce").Range("C3") 'recupera anio que se pierde ...

Range("A1:G1").Select

Selection.AutoFilter

ActiveSheet.Range("$A$1:$G$500000").AutoFilter Field:=2, Criteria1:= \_

">=" & Trim(year) & "0000", Operator:=xlAnd, Criteria2:="<" & Trim(year) & "9999"

ActiveCell.Offset(j, 0).Select

ticker = " "

'LOOP TICKER - do until... osea hasta que no tenga ticker

j = 0

acumvol = 0

vol = 0

Do Until Len(ticker) = 0 'Or ActiveCell.Offset(1, 0).EntireRow.Hidden = True 'si esta vacio el stock ya no hace nada

ticker = Cells(2 + j, 1).Value

vol = Cells(2 + j, 7).Value

mes = Left(Cells(2 + j, 2).Value, 4)

j = j + 1 'cambia a la siguiente

nextik = Cells(2 + j, 1).Value

If year = mes Then 'si no sigue con el otro

If nextik = ticker Then

acumvol = (acumvol + vol) 'marcaba desbordamiento

Else

acumvol = (acumvol + vol) 'acumula ya el utlimo valor

reng = reng + 1

Worksheets(mastersheet).Cells(reng, 1) = ticker

Worksheets(mastersheet).Cells(reng, 2) = acumvol

Worksheets(mastersheet).Cells(reng, 3) = year

Cells(reng, 1).Select

Cells(reng, 1).Activate

acumvol = 0 'reseteo'

vol = 0 'reseteo

ticker = " "

'detemino ultima fila

reng = ActiveCell.Row

col = ActiveCell.Column

Worksheets(mysheet).Activate

ActiveCell.Offset(j, 0).Select 'aqui inicia en el nuevo ticker

End If

End If

Loop

'punto control

MsgBox ("I will go to the next sheet")

'luego quito filtro"

Worksheets(mysheet).Activate

Range("A1:G1").Select

Selection.AutoFilter

Range("A1").Select

Worksheets(mastersheet).Activate

Worksheets(mastersheet).Range("A1").Select

Next

MsgBox ("Finally I have the results, please go to Acum sheet")

End Sub