**SELECT RANGE TO FURTHEST COLUMN WITH DATA**

Range("A9", Range("ZZ9").End(xlToLeft)).Select

Will select row to very last column, ignoring blank cells in between

**SELECT CTL + DOWN**

Range(Selection, Selection.End(**xlDown**)).Select

(Can use **xlDown, xlToLeft, xlToRight, xlUp**)

**SELECT RANGE TO FURTHEST ROW WITH DATA**

Range("A2", Range("A" & Rows.Count).End(xlup)).Select

Will select row to very last row, ignoring blank cells in between

**SELECT CELL WITH OFFSET**

ActiveCell.End(xlDown).Offset(1, 1).Select

Does a CTRL + Down and the goes 1 down and 1 right. (vertical, horizontal move). You will get an error if you’re in first column and put a negative move number because there is nowhere to go.

**ERROR MESSAGE AND QUIT IF MISSING DATA**

If IsEmpty(ActiveSheet.Range("C6")) Then

MsgBox ("You are missing rebates rates.")

Exit Sub

End If

**ERROR MESSAGE AND CONTINUE IF MISSING DATA**

If IsEmpty(ActiveSheet.Range("C6")) Then

MsgBox ("You are missing rebates rates.")

End If

**SELECT FOLDER FOR OUTPUT**

Dim FolderName As String

With Application.FileDialog(msoFileDialogFolderPicker)

.AllowMultiSelect = False

.Show

On Error Resume Next

FolderName = .SelectedItems(1)

Err.Clear

On Error GoTo 0

End With

**IF CELL EMPTY TAKE ACTION ELSE SKIP ACTION**

If IsEmpty(ActiveSheet.Range("A1")) Then

Range("C1").Select

ActiveCell.FormulaR1C1 = "Action Number 1"

Exit Sub

End If

Range("D1").Select

ActiveCell.FormulaR1C1 = "Action Number 2"

**USING GO TO FUNCTION**

Sub test123()

If IsEmpty(ActiveSheet.Range("A1")) Then GoTo ErrMessage

GoTo NormalRun

ErrMessage:

Range("C1").Select

ActiveCell.FormulaR1C1 = "A1 Blank"

NormalRun:

Range("C2").Select

ActiveCell.FormulaR1C1 = "Both Scenarios"

If IsEmpty(ActiveSheet.Range("A1")) Then GoTo EndNow

Range("D1").Select

ActiveCell.FormulaR1C1 = "A1 Not Blank"

EndNow:

End Sub

**CUSTOM FUNCTIONS WITH IF/ELSE**

Function REBATE(quantity, price)

If quantity >= 100 Then

REBATE = quantity \* price \* 0.95

Else

REBATE = quantity \* price

End If

REBATE = Application.Round(REBATE, 2)

End Function

**CREATE FUNCTION NORMAL CALCULATION**

Function YTDToBps(YTDAUM, YTDItem, Days, Year)

YTDToBps = (YTDAUM / YTDItem) \* 10000 \* (Year / Days)

End Function

**SUM ANY LENGTH COLUMN**

lastrow = Cells(Rows.Count, 3).End(xlUp).Row

Cells(lastrow + 1, 12).Formula = "=sum(L2:L" & lastrow & ")"

**SET DIM AS LAST COL**

'defining last row for data adding purposes based on row 2

Dim LastCol As Long

With ActiveSheet

LastCol = .Cells(2, .Columns.Count).End(xlToLeft).Column

End With

**SET DIM AS LAST ROW**

'defining last row for data adding purposes based on col K

Dim LastRow As Long

With ActiveSheet

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

End With

**COPY ITEM AT TOP OF COLUMN AND PASTE USING LASTROW DIM (ABOVE)**

Range("M2").Select

Selection.Copy

Range("M2:M" & LastRow).Select

ActiveSheet.Paste

**SET DIM USING POPUP BOX**

Dim postdate As Variant

postdate = InputBox("Enter the expected posting date in DD/MM/YYYY format.")

**SORT DATA BY COLUMN ASCENDING**

Dim strDataRange As Range

Dim keyRange As Range

Set strDataRange = Range("A:L")

Set keyRange = Range("I:I")

strDataRange.Sort Key1:=keyRange, Order1:=xlAscending, Header:=xlYes

**WEBSCRAPING – WEB QUERY**

Sub scrape()

Dim i As Integer

For i = 1 To 10

Dim MyRNG As Range

Set MyRNG = Sheets("source").Cells(i, 6)

Dim MyRNG2 As Range

Set MyRNG2 = Sheets("source").Cells(i, 7)

Dim MyRNG3 As Range

Set MyRNG3 = Sheets("transform").Cells(7, 2)

'

With ActiveSheet.QueryTables.Add(Connection:= \_

"URL;" & MyRNG \_

, Destination:=Range("$A$1"))

'.CommandType = 0

.Name = MyRNG2

.FieldNames = True

.RowNumbers = False

.FillAdjacentFormulas = False

.PreserveFormatting = True

.RefreshOnFileOpen = False

.BackgroundQuery = True

.RefreshStyle = xlInsertDeleteCells

.SavePassword = False

.SaveData = True

.AdjustColumnWidth = True

.RefreshPeriod = 0

.WebSelectionType = xlSpecifiedTables

.WebFormatting = xlWebFormattingNone

.WebTables = """alt"""

.WebPreFormattedTextToColumns = True

.WebConsecutiveDelimitersAsOne = True

.WebSingleBlockTextImport = False

.WebDisableDateRecognition = False

.WebDisableRedirections = False

.Refresh BackgroundQuery:=False

End With

Sheets("source").Cells(i, 8).Value = MyRNG3

Worksheets("transform").Activate

Range("A:H").Delete

Next i

End Sub

**POWERSHELL SCRIPTS**

**-------Split CSV into different files of 500000 row increments with the name splitfile**

**c:\Users\spanek\Desktop**

**$i=0; Get-Content c:\Users\spanek\Desktop\ALFRED\_1.csv -ReadCount 500000 | %{$i++; $\_ | Out-File c:\Users\spanek\Desktop\splitfile2\_$i.csv}**

**------Add first column called 'Row' with incrementing number**

**$csv = Import-Csv "C:\Users\spanek\Desktop\alfred\comma\splitfile\_3.csv"**

**$global:i = 1000000; $csv | Select-Object @{ Name = 'Row'; Expression = { $global:i.ToString("0000"); $global:i += 1 } }, \* | Export-Csv "C:\Users\spanek\Desktop\alfred\comma\Output\Essbase\_exp03.csv"**