

LibreOffice Stuffs

Personal Collection of macros I wrote for LibreOffice (mostly calc)

Functions: macros that can be used as formula

Subroutines: macros intended to be executed after selecting a cell range?

Function

```
Function CheckXMS ( mCellRange As Object, mCheckCount As Variant,
mCheckMinimum As Variant)
' Accumulate Exam marks - counts, minimum
' - used in exam datasheet (XMI)

DIM lRow, uRow, iRow As Integer
DIM lCol, uCol, iCol As Integer
DIM cRow, cCol, hVec As Integer
DIM countValue As Integer
DIM curValue, minValue, tgtValue As Double
DIM svcUno As Object

tgtValue = 0.00
If NOT IsArray(mCellRange) Then
    CheckXMS = tgtValue & " - Invalid Cell Range?!"
    Exit Function
End If

svcUno = createUnoService("com.sun.star.sheet.FunctionAccess")
For hVec = 1 To mCheckCount
    curValue = svcUno.callFunction("LARGE", Array(mCellRange, hVec))
    If curValue < mCheckMinimum Then
        curValue = mCheckMinimum
    End If
    tgtValue = tgtValue + CurValue
Next

CheckXMS = tgtValue

'lRow = LBound(mCellRange, 1)
'uRow = UBound(mCellRange, 1)
'lCol = LBound(mCellRange, 2)
'uCol = UBound(mCellRange, 2)

'minValue = 0.00
'curValue = 0.00
'go through the cells
'For iRow = lRow To uRow
```

```
' For iCol = lCol To uCol
'     curValue = mCellRange(lRow, iCol)
'     If curValue < 0.00 Then
'         curValue = 0.00
'     End If
'     If countValue < mCheckCount Or curValue > minValue Then
'         countValue = countValue + 1
'         tgtValue = tgtValue - minValue;
'         tgtValue = tgtValue + curValue;
'         minValue = curValue
'     End If
' Next
'Next

'CheckXMS = tgtValue

End Function
```

Subroutine

[GetFirst4Char.txt](#)

```
Sub GetFirst4Char

DIM cell AS OBJECT
DIM cells AS OBJECT
DIM sheet AS OBJECT

DIM row, col AS INTEGER
DIM msgtext AS STRING

cells = ThisComponent.CurrentSelection.RangeAddress
sheet = ThisComponent.CurrentController.ActiveSheet

For col = cells.StartColumn To cells.EndColumn
    For row = cells.StartRow To cells.EndRow
        cell = sheet.getCellByPosition(col,row)
        cell.String = Left(cell.String,4)
    Next
Next

msgtext = ">> Checked for (" + cells.StartRow + "," + cells.StartColumn
+ ")"
msgtext = msgtext + " - (" + cells.EndRow + "," + cells.EndColumn + ")"
Msgbox msgtext

End Sub
```

Subroutine

[TrimTrailingWS.txt](#)

```
Sub TrimTrailingWS

DIM cell AS OBJECT
DIM cells AS OBJECT
DIM sheet AS OBJECT

DIM row, col AS INTEGER
DIM msgtext AS STRING

cells = ThisComponent.CurrentSelection.RangeAddress
sheet = ThisComponent.CurrentController.ActiveSheet

For col = cells.StartColumn To cells.EndColumn
    For row = cells.StartRow To cells.EndRow
        cell = sheet.getCellByPosition(col, row)
        If Len(cell.String) > Len(Trim(cell.String)) Then
            cell.String = Trim(cell.String)
        End If
    Next
Next

msgtext = ">> Checked for (" + cells.StartRow + "," + cells.StartColumn
+ ")"
msgtext = msgtext + " - (" + cells.EndRow + "," + cells.EndColumn + ")"
Msgbox msgtext

End Sub
```

Subroutine

[FillIfNone.txt](#)

```
Sub FillIfNone

DIM ccell AS OBJECT
DIM cell AS OBJECT
DIM cells AS OBJECT
DIM sheet AS OBJECT

DIM row, col AS INTEGER
DIM msgtext AS STRING
```

```

cells = ThisComponent.CurrentSelection.RangeAddress
sheet = ThisComponent.CurrentController.ActiveSheet

For col = cells.StartColumn To cells.EndColumn
  For row = cells.StartRow To cells.EndRow
    cell = sheet.getCellByPosition(col,row)
    If cell.String = "" Then
      ccell = sheet.getCellByPosition(col-1,row)
      If cCell.Value < 0.00 Then
        cell.Value = ccell.Value
      Else
        cell.Value = -1.00
      End If
    End If
  Next
Next

msgtext = ">> Checked for (" + cells.StartRow + "," + cells.StartColumn
+ ")"
msgtext = msgtext + " - (" + cells.EndRow + "," + cells.EndColumn + ")"
Msgbox msgtext

End Sub

```

Subroutine

[AddLeadingZero.txt](#)

```

Sub AddLeadingZero

DIM document AS OBJECT
DIM sheet AS OBJECT
DIM cell AS OBJECT
DIM cells AS OBJECT
DIM cellrange AS OBJECT

DIM row, col AS INTEGER
DIM msgtext AS STRING

document = ThisComponent
sheet = document.CurrentController.ActiveSheet
cells = document.CurrentSelection

'cellrange = cells.CellAddress 'only works for single cell selection?
'cellrange.Row '0-base index
'cellrange.Col '0-base index
'Msgbox ">> (" + cellrange.Row + "," + cellrange.Column + ")"

```

```
cellrange = cells.RangeAddress
'msgtext = ">> (" + cellrange.StartRow + "," + cellrange.StartColumn +
")"
'msgtext = msgtext + " - (" + cellrange.EndRow + "," +
cellrange.EndColumn + ")"
'Msgbox msgtext

For col = cellrange.StartColumn To cellrange.EndColumn
  For row = cellrange.StartRow To cellrange.EndRow
    cell = sheet.getCellByPosition(col,row)
    While Len(cell.String) < 9
      cell.String = "0" + cell.String
    Wend
  Next
Next
Next

msgtext = ">> Added for (" + cellrange.StartRow + "," +
cellrange.StartColumn + ")"
msgtext = msgtext + " - (" + cellrange.EndRow + "," +
cellrange.EndColumn + ")"
Msgbox msgtext

End Sub
```

From:

<http://azman.unimap.edu.my/dokuwiki/> - **Azman @UniMAP**

Permanent link:

<http://azman.unimap.edu.my/dokuwiki/doku.php?id=notes:libreoffice>

Last update: **2020/02/13 15:24**

