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

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

End Sub
```

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