

Steps to Create and Run a Macro in LibreOffice Calc

1. Enable Macros in LibreOffice

Before running macros, you must enable them.

1. Open **LibreOffice Calc**.
 2. Click on **Tools** → **Options**.
 3. Navigate to **LibreOffice** → **Security** → **Macro Security**.
 4. Select **Medium** or **Low** (Medium will ask for confirmation when opening a file with macros).
 5. Click **OK**.
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2. Open the Macro Editor

1. Open **LibreOffice Calc**.
 2. Press **Alt + F11** (or go to **Tools** → **Macros** → **Edit Macros**).
 3. In the **LibreOffice Basic Macros** window, select:
 - My Macros
 - Standard
 - Module1 (or create a new module by clicking "New").
 4. Click **Edit**.
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3. Write the Macro Code

1. Copy and paste the following code inside the editor:

```
1. Function SumCellsAllSheets() As Double
2.   Dim TheSum As Double
3.   Dim iRow As Integer, iCol As Integer, i As Integer
4.   Dim oSheets, oSheet, oCells
5.   Dim oRow(), oRows()
6.
7.   TheSum = 0
8.   oSheets = ThisComponent.getSheets() ' Get all sheets in the
   document
9.
10.  ' Loop through each sheet
11.  For i = 0 To oSheets.getCount() - 1
12.    oSheet = oSheets.getByIndex(i) ' Get current sheet
13.    oCells = oSheet.getCellRangeByName("A2:C5") ' Define
   the range to sum (A2:C5)
14.    oRows() = oCells.getData() ' Get numeric values from the
   range
15.
16.    ' Loop through rows in the range
17.    For iRow = LBound(oRows()) To UBound(oRows())
18.      oRow() = oRows(iRow)
19.      ' Loop through columns in the row
20.      For iCol = LBound(oRow()) To UBound(oRow())
21.        If IsNumeric(oRow(iCol)) Then ' Ensure only
   numbers are added
22.          TheSum = TheSum + oRow(iCol)
23.        End If
24.      Next iCol
25.    Next iRow
26.  Next i
27.
28.  SumCellsAllSheets = TheSum ' Return the total sum
29. End Function
```

4.Run the Macro in LibreOffice Calc

1. Open a **new or existing spreadsheet**.
2. Enter some numbers in **cells A2 to C5** in multiple sheets.
3. Click on an empty cell and type:

4. =SumCellsAllSheets()

5. Press **Enter**.
6. The total sum of values from **A2:C5 in all sheets** will appear.

Example Calculation

Sheet1 (A2:C5)

A	B	C
2	3	4
1	5	6
2	3	1
4	2	3

Sum for Sheet1 = $2+3+4+1+5+6+2+3+1+4+2+3 = 36$

Sheet2 (A2:C5)

A	B	C
5	6	7
2	3	4
1	2	3
6	4	5

Sum for Sheet2 = $5+6+7+2+3+4+1+2+3+6+4+5 = 48$

- **ThisComponent** is automatically set to reference the current document when the macro starts.
- A Calc document contains sheets and the macro accesses these via a call to **ThisComponent.getSheets()**.
- Use **getCellByPosition(col, row)** to return a cell at a specific row and column.
- Use **oSheet.getCellRangeByName("A2")** to return a range of cells by name.\