# VBA Macro Documentation

## Functions:

- \*\*Function CalculateSum(a As Integer, b As Integer) As Integer\*\*  
 - \*\*Returns:\*\* Integer  
 - \*\*Parameters:\*\* a As Integer, b As Integer  
 - \*\*Example Usage:\*\* result = CalculateSum(a(1, 2)

## Subroutines:

- \*\*Sub SampleMacro()\*\*  
 - \*\*Parameters:\*\* None  
 - \*\*Example Usage:\*\* Call SampleMacro()

## Variables:

- \*\*result\*\* (Declared as Integer)

- \*\*x\*\* (Declared as Integer)

## Control Structures:

- If x > 0 Then

- End If

- For i = 1 To 10

## Loops:

- For i = 1 To 10

## VBA Code Analysis:

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| VBA Code | Description |
| Function CalculateSum(a As Integer, b As Integer) As Integer | This line performs the action: 'CalculateSum(a'. This line performs the action: 'As'. This line performs the action: 'As'. |
| Dim result As Integer | This line performs the action: 'result'. |
| result = a + b | This line performs the action: 'result'. |
| CalculateSum = result | The variable 'CalculateSum' is used. The variable '=' is used. This line performs the action: 'result'. |
| End Function | This line performs the action: 'Function'. |
| Sub SampleMacro() | This line performs the action: 'SampleMacro'. |
| Dim x As Integer | This line performs the action: 'Dim'. This line performs the action: 'As'. |
| x = 5 | This line performs the action: 'x'. |
| If x > 0 Then | This line performs the action: 'x'. This line performs the action: 'Then'. |
| MsgBox "Positive Number" | This line performs the action: 'Number'. |
| End If | This line performs the action: 'End'. This line performs the action: 'If'. |
| End Sub | This line performs the action: 'Sub'. |
| For i = 1 To 10 | This line performs the action: 'For'. |
| MsgBox i | This line performs the action: 'MsgBox'. This line performs the action: 'i'. |
| Next i | This line performs the action: 'i'. |