

**Aim:-** Create any GUI Application eg calculator and automate using AutoIt V3 tool.

**Theory :-** AutoIt is constantly as a programming language. It started as an add-on tool to automate basic tasks in GUI of other programs. and task automation (such as sending a keystroke on clicking a button) is still at the heart of AutoIt, with the introduction of many new features. However, AutoIt has become a more powerful tool than ever before.

- Just a few of the new and updated features include
- GUI Automation - Create a custom graphical interface for your application.
  - COM (Object) functionality fills the gap with WSH language such as VB scripts / Jscript.
  - loops, functions and expression parsing.
  - An perl-compatible regular expression engine using the PCRE library, with native 16 bit mode and UCS/UTF support.
  - A powerful recursive file list to away function.
  - Easily call win32 and third-party DLL APIs from within your script.

**Conclusion :-** Thus, we have studied and Executed a program in AutoIt V3 To Create Calculator.

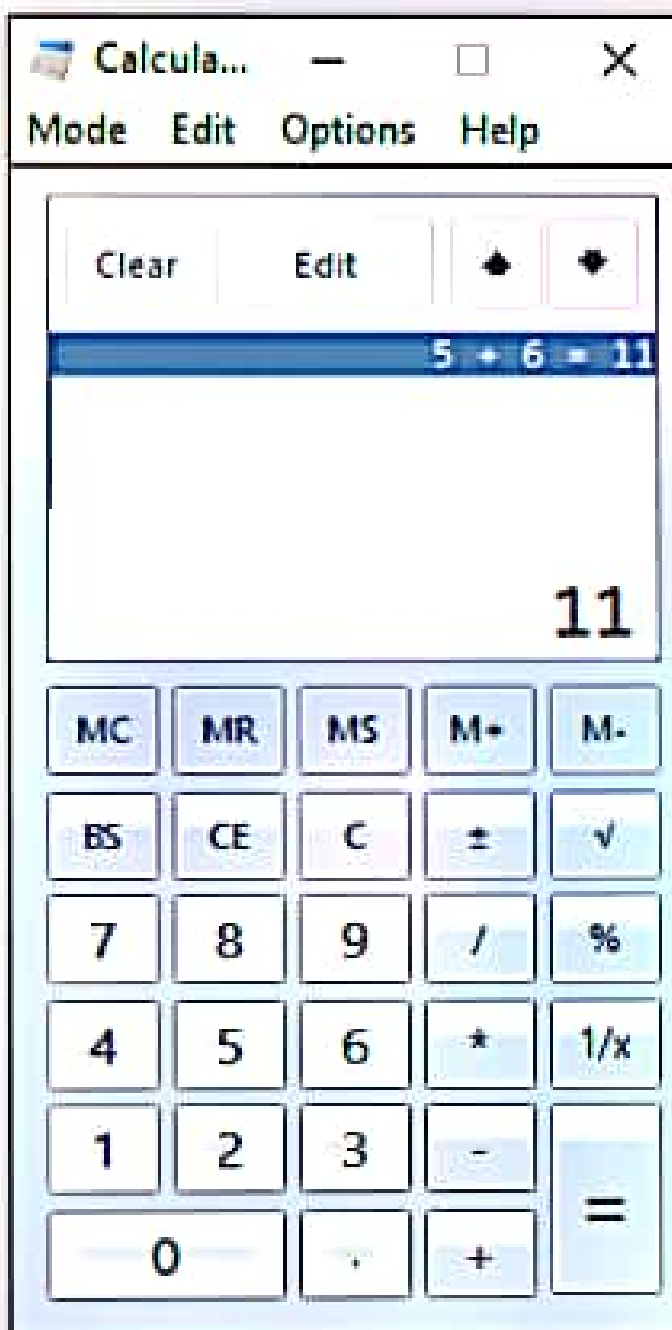


p3 2 for\_loop.au3 3 do\_until.au3 4 switch.au3 5 calculator.au3 6 automate\_cal.au3 7

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;Launch calc
Run("C:\Users\blackstorm\Downloads\Windows7-calculator\calc.exe", "")
;wait for 2 seconds
sleep(2000)
If WinExists("Calculator", "") Then
    ;Press Button 5
    ControlClick("Calculator", "", 135)
    sleep(2000)
    ;Press Button +
    ControlClick("Calculator", "", 93)
    sleep(2000)
    ;Press Button 6
    ControlClick("Calculator", "", 136)
    sleep(2000)
    ;Press Button =
    ControlClick("Calculator", "", 121)
    sleep(2000)
    ;Close Calc
    ;WinClose("Calculator", "")
EndIf

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GUICreate("Calculator", 260, 230)
$idBtn1 = GUICtrlCreateButton("1", 54, 138, 36, 29)
; Digit's buttons
Local $idBtn0 = GUICtrlCreateButton("0", 54, 171, 36, 29)
Local $idBtn1 = GUICtrlCreateButton("1", 54, 138, 36, 29)
Local $idBtn2 = GUICtrlCreateButton("2", 93, 138, 36, 29)
Local $idBtn3 = GUICtrlCreateButton("3", 132, 138, 36, 29)
Local $idBtn4 = GUICtrlCreateButton("4", 54, 106, 36, 29)
Local $idBtn5 = GUICtrlCreateButton("5", 93, 106, 36, 29)
Local $idBtn6 = GUICtrlCreateButton("6", 132, 106, 36, 29)
Local $idBtn7 = GUICtrlCreateButton("7", 54, 73, 36, 29)
Local $idBtn8 = GUICtrlCreateButton("8", 93, 73, 36, 29)
Local $idBtn9 = GUICtrlCreateButton("9", 132, 73, 36, 29)
Local $idBtnPeriod = GUICtrlCreateButton(".", 132, 171, 36, 29)
; Memory's buttons
Local $idBtnMClear = GUICtrlCreateButton("MC", 8, 73, 36, 29)
Local $idBtnMRestore = GUICtrlCreateButton("MR", 8, 106, 36, 29)
Local $idBtnMStore = GUICtrlCreateButton("MS", 8, 138, 36, 29)
Local $idBtnMAdd = GUICtrlCreateButton("M+", 8, 171, 36, 29)
; Operators
Local $idBtnChangeSign = GUICtrlCreateButton("+/-", 93, 171, 36, 29)
Local $idBtnDivision = GUICtrlCreateButton("/", 171, 73, 36, 29)
Local $idBtnMultiplication = GUICtrlCreateButton("*", 171, 106, 36, 29)
Local $idBtnSubtract = GUICtrlCreateButton("-", 171, 138, 36, 29)
Local $idBtnAdd = GUICtrlCreateButton("+", 171, 171, 36, 29)
Local $idBtnAnswer = GUICtrlCreateButton("=", 210, 171, 36, 29)
Local $idBtnInverse = GUICtrlCreateButton("1/x", 210, 138, 36, 29)
Local $idBtnSqrt = GUICtrlCreateButton("Sqrt", 210, 73, 36, 29)
Local $idBtnPercentage = GUICtrlCreateButton("%", 210, 106, 36, 29)
Local $idBtnBackspace = GUICtrlCreateButton("Backspace", 54, 37, 63, 29)
Local $idBtnClearE = GUICtrlCreateButton("CE", 120, 37, 62, 29)
Local $idBtnClear = GUICtrlCreateButton("C", 185, 37, 62, 29)
Local $idEdtScreen = GUICtrlCreateEdit("0.", 8, 2, 239, 23)
Local $idLblMemory = GUICtrlCreateLabel("", 12, 39, 27, 26)

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