

## Enter two integers in  
## console window  
## Sum is displayed

```
.text
.globl main
main:
    li $v0, 4 # system call code for print_string
    la $a0, msg1 # argument to print_string call in $a0
    syscall

    la $t0, value

    li $v0, 5 # system call code for read_int
    syscall
    sw $v0, 0($t0) # result returned by call in $v0

    li $v0, 5 # system call code for read_int
    syscall
    sw $v0, 4($t0) # result returned by call in $v0

    lw $t1, 0($t0)
    lw $t2, 4($t0)
    add $t3, $t1, $t2
    sw $t3, 8($t0)

    li $v0, 4 # system call code for print_string
    la $a0, msg2 # argument to print_string call in $a0
    syscall

    li $v0, 1 # system call code for print_int
    move $a0, $t3 # argument to print_int call in $a0
    syscall

    li $v0, 10 # system call code for exit
    syscall

.data
value: .word 0, 0, 0
msg1: .asciiz "Enter two number: "
msg2: .asciiz "Sum = "
veri: .word 0x7FFFFFFF, 0x00000001, 0
```