```
###########Data Segment########################
.data
prompt:
        .asciiz  "Enter two numbers: "
sum_msg:
        .asciiz "The sum is: "
newline:
        .asciiz "\n"
###########Code Segment####################
        .text
        .globl main
main:

        la $a0,prompt #loads $a0 with the address
        li $v0,4  #prints the string
        syscall

        li $v0,5  #reads first integer
        syscall
        move $t0, $v0 #result returned in $v0

        li $v0, 5 #reads second integer
        syscall
        move $t1, $v0 #result returned in $v0

        addu $t0, $t0, $t1

        la $a0,sum_msg
        li $v0,4
        syscall

        move $a0,$t0
        li $v0,1 #prints the integer sum
        syscall

       #li $v0,10   #exit
       #syscall
```