```
.data
 Prompt: .asciiz "\n Enter N "
 Prompt2: .asciiz "\n Enter integer "
.text
 main: li $v0, 4
 la $a0, Prompt
 syscall
 li $v0, 5
 syscall
 move $t1, $v0 #$t1 contains N
 li $t4, 0 #t4 is counter
  again: li $v0, 4
         la $a0, Prompt2
         syscall
         li $v0, 5
         syscall
         move $t5, $v0 #$t5 contains int
         beq $t5, 0, zerof
         bgtz $t5, posf
         bltz $t5, negf
  zerof: li $a0, '\n'
        li $v0, 11
         syscall
        addi $t4, $t4, 1
        blt $t4, $t1, again
        beq $t4, $t1, end
 posf: li $a0, '*'
        li $v0, 11
        syscall
        addi $t5, $t5, -1
        bgtz $t5, posf
        li $t5, 0
        addi $t4, $t4, 1
        blt $t4, $t1, again
        beq $t4, $t1, end
 negf: li $a0, '-'
        li $v0, 11
        syscall
        addi $t4, $t4, 1
        blt $t4, $t1, again
        beq $t4, $t1, end
end: li $v0, 10
     syscall
```



Console

Enter N 5

Enter integer 3

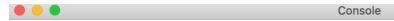
Enter integer 0

Enter integer 6

Enter integer -7

Enter integer 2

```
.data
  Prompt: .asciiz "\n Enter N "
  Prompt2: .asciiz "\n Enter integer "
  Result1: .asciiz "\n Positive Sum is: "
  Result2: .asciiz "\n Negative Sum is: "
.text
 main: li $v0, 4
  la $a0, Prompt
  syscall
  li $v0, 5
  syscall
  move $t1, $v0 #$t1 contains N
  li $t2, 0 #$t2 is pos sum
  li $t3, 0 #$t3 is neg sum
  li $t4, 0 #t4 is counter
  again: li $v0, 4
         la $a0, Prompt2
         syscall
         li $v0, 5
         syscall
         move $t5, $v0 #$t5 contains int
         bgtz $t5, possum
         bltz $t5, negsum
  possum: add $t2, $t2, $t5
         li $t5, 0
          addi $t4, $t4, 1
         blt $t4, $t1, again
  negsum: add $t3, $t3, $t5
          addi $t4, $t4, 1
          blt $t4, $t1, again
li $v0, 4
la $a0, Result1
syscall
move $a0, $t2
li $v0, 1
syscall
la $a0, Result2
li $v0, 4
syscall
move $a0, $t3
li $v0, 1
syscall
li $v0, 10
syscall
```



Enter N 5
Enter integer 3
Enter integer -1
Enter integer 6
Enter integer -7
Enter integer 2
Positive Sum is: 11 Negative Sum is: -8