**TASK # 1:**

Write a MIPS assembly language program that calculates the sum of all positive even integers less than or equal to N and displays the result.

SOURCE CODE:

.data

prompt: .asciiz "\n Please Input a value for N = "

result: .asciiz " The sum of Even Integers from 1 to N is : "

.text

.globl main

main:

li $v0, 4

syscall

li $v0, 5

syscall

blez $v0, end

li $t0, 0

li $t1, 1

li $t2, 2

div $v0, $t2

mfhi $t3

beqz $t3, loop

bnez $t3, even

even:

sub $v0,$v0,$t1

loop:

add $t0, $t0, $v0

addi $v0, $v0, -2

bnez $v0, loop

li $v0, 4

la $a0, result

syscall

li $v0, 1

move $a0, $t0

syscall

end:

li $v0, 10

syscall

OUTPUT:

