**Source Code:**

.data

prompt: .asciiz "\nPlease input a value to multiply with 3 :"

prompt1: .asciiz "\nThe input value is EVEN."

prompt2: .asciiz "\nThe input value is ODD."

result: .asciiz "\nThe answer is : "

.text

.globl main

main:

li $v0, 4

la $a0, prompt

syscall

li $v0,5

syscall

li $t1, 3

mult $t1,$v0

mflo $t2

li $v0, 4

la $a0, result

syscall

li $v0, 1

move $a0, $t2

syscall

li $t3, 2

div $v0, $t3

mflo $t4

bltz $t4, odd

beqz $t4, even

odd:

li $v0, 4

la $a0, prompt2

syscall

li $v0, 10

syscall

even:

li $v0, 4

la $a0, prompt1

syscall

li $v0, 10

syscall

**Output:**

