#check wheather prime or not:

.data

prime: .asciiz "Prime"

not\_prime: .asciiz "Not Prime"

.text

.globl main

main:

li $v0, 5

syscall

move $t0, $v0

li $t1, 2

beq $t0, $t1, prime

li $t2, 0

li $t3, 2

loop:

div $t0, $t3

mfhi $t4

beqz $t4, not\_prime

addi $t3, $t3, 1

slt $t5, $t3, $t0

bne $t5, 1, prime

not\_prime:

li $t2, 1

prime:

move $a0, $t2

li $v0, 4

syscall

exit:

li $v0, 10

syscall