MIPS Program to Compute y = A*B + C*D

.data
A: .word 5
B: .word 3
C: .word 4
D: .word 2
y: .word 0

.text
.globl main
main:
    lw $t0, A
    lw $t1, B
    lw $t2, C
    lw $t3, D

    mul $t4, $t0, $t1
    mul $t5, $t2, $t3
    add $t6, $t4, $t5
    sw $t6, y

    li $v0, 10
    syscall