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#####
# Dylan Messerly, CS 2318-002, Assignment 2 Part 1 Program D
#####
# Prompt user for exam scores
# Multiply exam scores by respective weight and add them together
# Print the labeled weighted exam score average to screen
##### data segment #####
    .data

scoreE1Prmt:    .ascii "Enter exam 1 score: "
scoreE2Prmt:    .ascii "Enter exam 2 score: "
scoreFinPrmt:   .ascii "Enter final exam score: "

weightAvgLab:   .ascii "Your weighted exam average: "

##### code segment #####
    .text
    .globl main

main:

    li $v0, 4
    la $a0, scoreE1Prmt
    syscall

    li $v0, 5
    syscall
    move $t0, $v0

    li $v0, 4
    la $a0, scoreE2Prmt
    syscall

    li $v0, 5
    syscall
    move $t1, $v0

    li $v0, 4
    la $a0, scoreFinPrmt
    syscall

    li $v0, 5
    syscall
    move $t2, $v0

    sll $t0, $t0, 7           # multiply exam 1 by 128

    li $t3, 637              # divide product by 637
    div $t0, $t3
    mflo $t0

    li $t3, 307              # multiply exam 2 by 307
    mult $t1, $t3
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mflo $t1

sra $t1, $t1, 10      # divide product by 1024

sra $t2, $t2, 1       # divide Final exam by 2

add $t3, $t0, $t1     # add the weighted grades
add $t3, $t3, $t2

li $v0, 4
la $a0, weightAvgLab
syscall

li $v0, 1
move $a0, $t3
syscall

li $v0, 10            # exit
syscall
```