

# Prompt the user to enter the integer scores for Exam 1, Exam 2 and Final Exam, read the scores,  
# compute the weighted average score (using the following formula), and display a labeled output  
# about the weighted average score.

```
.data
e1:      .asciiz "Enter exam 1 score:  "
e2:      .asciiz "Enter exam 2 score:  "
Final:   .asciiz "Enter final score:   "
average: .asciiz "The average score is: "
##### data segment #####

.text
.globl main

main:

    li $v0, 4
    la $a0, e1      #exam 1
    syscall

    li $v0, 5
    syscall          #read in exam 1
    sll $t0, $v0, 7  #t0 = exam 1 * 128
    li $t1, 637      #t3 has 637
    div $t0, $t1      #divide by 637
    mflo $t0          #exam1 * 128 / 637

    li $v0, 4
    la $a0, e2      #exam 2
    syscall

    li $v0, 5
    syscall          #read in exam 2
    move $t1, $v0    #t1 has exam2
    li $t2, 307      #store 307 in t2
    mult $t1, $t2     #multiply by 307
    mflo $t1          #exam2*307
    sra $t1, $t1, 10  #t0 has exam2*307/1204

    li $v0, 4
    la $a0, Final    #final score
    syscall

    li $v0, 5
    syscall          #read int final score
    move $t3, $v0     #t3 has final exam score
    sra $t3, $t3, 1    #final/2

    add $v0, $t3, $t0 #sum all three
    add $t1, $v0, $t1

    li $v0, 4
    la $a0, average  #output the average
    syscall
    move $a0, $t1
    li $v0, 1
    syscall          #display average
```

```
li $v0, 10
syscall          #exit gracefully
```