```
#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
prompt1:
                                                                          .asciiz "Enter integer score for Exam 1: "
                                                                          .asciiz "Enter integer score for Exam 2: "
prompt2:
prompt3:
                                                                          .asciiz "Enter integer score for Final Exam: "
                                                                          .asciiz "Your average score is: "
avgscore:
.text
                                                                          .globl main
main:
                                                                          #Prompts the user for integer exam score 1
                                                                          li $v0, 4
                                                                          la $a0, prompt1
                                                                          syscalĺ
                                                                          #Takes integer user input from prompt and stores in $v0
                                                                          svscall
                                                                          #moves integer user input from $v0 into $t0
                                                                          move $t0, $v0
                                                                          li $v0, 11
                                                                          li $a0, '\n'
                                                                          syscall
                                                                          #Prompts the user for integer exam score 2
                                                                          li $v0, 4
                                                                          la $a0, prompt2
                                                                          syscall
                                                                          #Takes integer user input from prompt and stores in $v0
                                                                          syscall
                                                                          #moves integer user input from $v0 into $t1
                                                                          move $t1, $v0
                                                                          li $v0, 11
                                                                          li $a0, '\n'
                                                                          syscall
                                                                          #Prompts the user for integer final exam score
                                                                          li $v0, 4
                                                                          la $a0, prompt3
                                                                          syscalĺ
                                                                          #Takes integer user input from prompt and stores in $v0
                                                                          li $v0, 5
                                                                          syscall
                                                                          #moves integer user input from $v0 into $t2
                                                                          move $t2, $v0
                                                                         li $v0, 11
li $a0, '\n'
                                                                          svscall
                                                                          #Calculate weighted exam 1 score
                                                                          li $t4, 410
                                                                          mul $t0, $t0, $t4 #$t0 has $t0 * 410
                                                                          srl $t0, $t0, 11 #shift right by 11 bits to divide the value by 2048
                                                                          #Calculate weighted exam 2 score
                                                                          li $t4, 256
                                                                          li $t5, 853
                                                                          sll $t1, $t1, 8 #shift $t1 left by 8 bits to multiply by 256
                                                                          div $t1, $t5 #Lo has $t1*256 / 853
                                                                          mflo $t1 #t1 has $t1*256 / 853
                                                                          #calculate weighted final exam score
                                                                          srl $t2, $t2, 1 #shift right by 1 bit to divide value in $t2 by 2
                                                                          #add all weighted exam values together
                                                                          add $t0, $t0, $t1 #$t0 has $t0 + $t1
add $t0, $t0, $t2 #$t0 has $t0 + $t1 + $t2
                                                                          #displays labeled final result/average score
                                                                          li $v0, 4
                                                                          la $a0, avgscore
                                                                          syscall
                                                                          li $v0, 1
                                                                          move $a0, $t0
                                                                          syscall
```

#Exit li \$v0, 10 syscall

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#Prompt the user to enter the integer scores for Exam 1, Exam 2

####################################