

ANKARA UNIVERSITY

COM101B

Fall 2017-18 Term

LAB2 Quiz

Date: 13/10/2017 Session: Group1

Duration: 60 minutes

Write a C program that calculates the weight of a specific nutrient in a package of food given its nutrition proportions. The nutrient will be specified using its label. It can be either A, R or C. They are shown in Table 1 below.

Table 1

Nutrients	Label Code	Proportion
Vitamin A	A	12%
Iron	R	46%
Calcium	C	26%

Given the weight of a package of food in milligram (mg), please specify the amount of nutrient in that food. Pay attention to the I/O format for specifications.

Input: <Weight of food (in mg): integer> <Nutrient label code: one of {A, R, C}>

Output: <Weight of the nutrient>\n

Print the weight of nutrient as a floating point number using 2 digit precision after the decimal point.

Hint: %.2f format specifier prints 2 digit precision for floating point numbers.

Sample Inputs/outputs:

Example 1:

>230 C

>59.80

Example 2:

>527 A

>63.24

Example 3:

>732 R

>336.72

Submission: Your source code will be named using your student ID: <student-id>.c

Example: if your id is 1123456 than you should name your source code like this: 1123456.c

Please, PAY ATTENTION TO THE I/O FORMAT!

Good Luck 😊