Problem Set 1 Exercise #01: Volume of Box

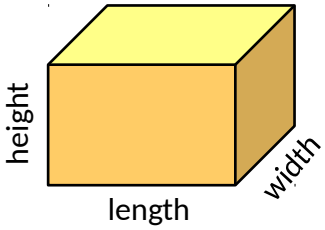
Reference: Lecture 1 notes

Learning objectives: C Basics; Data type; Input/output; Arithmetic operations

Estimated completion time: 10 minutes

Problem statement:

Write a program **volume.c** that reads the *length*, *width* and *height* of a box and computes its volume.



The input consists of 3 integers (separated by invisible space characters) that denote *length*, *width* and *height* respectively.

Two sample runs are shown below, with user input highlighted in **bold**.

You may use the skeleton program provided in the zipped package to start off. When finished, submit your program to the CodeCrunch website (https://codecrunch.comp.nus.edu.sg/) for automatic grading. You have 30 chances of submission for each exercise in a problem set.

Important notes:

1. CodeCrunch awards marks for correctness ONLY if your output adheres to the required format EXACTLY. Hence, do not add any other characters (such as blanks) that are not asked for in the output, or change the spelling in the output.
2. Skeleton program is provided to help those who are new to programming. You may choose not to use it and write your own program. However, please ensure your submission has the correct file name or your program won't get compiled and executed in CodeCrunch.
3. Unless otherwise stated, you may assume all input data are valid and hence there is no need for you to perform input data validation. This is also true for subsequent exercises to be submitted to CodeCrunch.

Sample run #1:

```
Enter length: 12
Enter width: 3
Enter height: 10
Volume = 360
```

Sample run #2:

```
Enter length: 1
Enter width: 2
Enter height: 3
Volume = 6
```