

# Weekly Excercise 5 - Object Orientation

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The objectives of this worksheet are:

- Implement the basic object orientation concepts.
- Understand how a class is dependant on its class fields.
- Smash all the things.

## **Problem 1.**

Write a class having two private variables and one member function which will return the area of the rectangle

## **Problem 2.**

Write a program that inputs two integers in main and passes them to the default constructor of a class. Show the result of the addition of two numbers.

## **Problem 3.**

Write a C++ class called 'Student' with the data members:

- name (char type)
- marks1, marks2 (integer type)

The program asks the user to enter name and marks. Then calcMedia() calculates the media note and disp() display name and total media mark on screen in different lines.

## **Problem 4.**

Perform addition operation on complex data using class and object. The program should ask for real and imaginary part of two complex numbers (doubles), and display the real and imaginary parts of their sum.