# Module 1 – Lab 3

## Problem Statement 1

Let’s start with a very basic example.

Write a class having **two** float type variables for length and height, a **default** constructor and **one** member function called area which will return the **area** of the right angle **triangle**.

**Problem Statement 2**

Write a C++ **class** called Student with

* private *member variables*:
  + name(string type),
  + mark1 and mark2 (**float** type)

And *member functions*:

* GetMarks(int marknumber), a *function* which should return mark1 if marknumber equals **1** and mark2 otherwise.
* calc\_average() *function* should take the **two** marks entered and *return* their **average**.

Also *define* **two** *constructors*:

* A *default constructor* that takes **no** *parameters* and *initializes* mark numbers to **zeros** and the name to null.
* A *constructor* that takes the **three** private *variables* and *sets* them to given *values*.