C++ Object-Oriented Programming

Project #6

Computational Physics Lab

Prof. Volker Crede

[Due February 14 at the end of class]

From Chapter 7: *"C++ object-oriented programming syntax"*

7.9 Assignments: Part II, Problem (5)

Write a program that contains a class **Rectangle** with two private double precision members **iLength** and **iWidth**, public set and get member functions for these two members, a two-argument constructor that sets the length and width to any two user-specified values, and a void function **area()** that computes the area and then prints this value by inserting it into the **cout** output stream. Write a **main** function that creates a **Rectangle** with a length of 10 and width of 20 and computes its area.

Post exercise to your computational physics website. Create a html page for Project 6. Create a link from your main project web page to this html page. This html page should include the following heading information: exercise title, exercise number, your name, & today's date.   The main content of this page should include the following:

- a short description of the problem
- a link to the source code
- a text region which contains the actual source code text
- a text region which contains the program output

** For text regions use the html object tag; example:
  <object width="600" height="400" type="text/plain" data="yourProgram.cc" border="0" ></object>