

COMPUATIONAL PHYSICS
PHZ 4151C/5156C

Homework 2

Due in class, Tuesday, January 29.

Please note that in our course we are following current conventions and standards of the C++ programming language. The book for the course uses the older deprecated or antiquated headers. For the most part, this will result in only minor changes to the examples and programming problems provided within the text.

The `iostream` library is an object-oriented library that provides input and output functionality using streams. In following C++ standards, the line of code for including the `iostream` header:

```
#include <iostream.h>
```

needs to be replaced with:

```
#include <iostream>  
using namespace std;
```

Chapter 5 “*Writing a first Program*”: 5.15 Assignments

Complete assignments 1, 2, & 3 from section 5.15 of the book.

Hand in a paper copy of each program together with its input and output!