Homework 9

Dr. Manna

CS 10 | 30 points | due: 03/15/17 @ 11:59 pm

Problem statement

1. (30 points) A point (x,y) in the real plane can be represented in C++ by a structure defined as follows:

```
struct Point {
  double x;
  double y;
};
```

    a. Write a C++ function `void print_point(ostream &os, Point p)` to output the point p to the output stream os in the format `(x,y)`.

    b. Write a C++ function `istream & read_point(istream &is, Point &p)` to read a point (two double values) from the input stream is into the variable p.

    c. Write a `main()` function to read a list of points from a text file named `input.txt` and output them to the screen, using the above functions.
For example, if `input.txt` contains
1 3
-2.1 5
7 0

the output should be
(1, 3)
(-2.1, 5)
(7, 0)

Submission instructions

Please upload single .cpp file 9.1a,b, & c to Camino under Assignment→ Homework 9→ ....
Please email me or use the discussion board for clarification. Please make sure your code has comments and they should be properly indented.