Military Institute of Science and Technology
Department of Computer Science & Engineering
Object Oriented Programming Sessional - CSE 206
Assignment - 01

Problem: A line can be constructed by taking multiple line segments, while each line segment consists of 2 coordinates. In this problem, you are given the x and y coordinates of two lines. Your job is to construct the lines and to find the line with the largest length.

Design a class named Line, having one public method to calculate the length of the line.

The skeleton of the class is as follows:

```
class Line {
    // no of points constructing that line (integer value)
    // x and y coordinates of those points (real values)
public:
    // necessary constructors
    calculate_length();
};
```

Sample Input	Sample Output
Number of points in Line 1: 3 Enter coordinates: 1 1 2 2 3 4 Number of points in Line 2: 2 Enter coordinates: 0 0 5.2 5.6	Length of Line 1: 3.65028 Length of Line 2: 7.64199 Line 2 > Line 1

Note: **The class should have no additional function (except the constructor) to set/get/take input of the private variables.**