

NAME: Md. Ibrahim Akhtar

PROBLEM 1:

Things Learned:

1. Basics of Inheritance.
2. Using base and derived classes and inheriting super into sub. <[Link](#)>
3. Instantiating objects using both the default as well as parameterized constructors.

Problems Faced:

1. Had trouble during implementation of Location class which is inheriting from Point class.
2. Implementing Constructor overloading for location points.

PROBLEM 2:

Things Learned:

1. Overriding base class constructors from derived classes.
2. More intricacies of method overriding and inheritance.

Problems Faced:

1. Implementing method overriding of constructors from base class in derived classes.

PROBLEM 3:

Things Learned:

1. Implementing abstract class in C++. <[Link](#)>
2. Inheriting abstract classes and Overriding abstract functions in derived classes.
3. Basic use of virtual functions in C++. <[Link](#)>

Problems Faced:

1. Implementing both abstract classes and virtual functions in C++.
2. Overriding all the abstract functions in derived classes.