Experiment - 7

1. Create two classes, A and B, with default constructors (empty argument lists) that announce themselves. Inherit a new class called C from A, and create a member of class B inside C. Do not create a constructor for C. Create an object of class C and observe the results.

2. Create a base class with only a non-default constructor, and a derived class with both a default (no-arg) and non-default constructor. In the derived-class constructors, call the base-class constructor.

3. Create a class with a method that is overloaded three times. Inherit a new class, add a new overloading of the method, and show that all four methods are available in the derived class.

4. Create a class with a final method. (i) Inherit from that class and attempt to overwrite that method. (ii) Create a final class and attempt to inherit from it.