

Experiment - 8

1. Create a base class with an **abstract print()** method that is overridden in a derived class. The overridden version of the method prints the value of an **int** variable defined in the derived class. At the point of definition of this variable, give it a nonzero value. In the base-class constructor, call this method. In **main()**, create an object of the derived type, and then call its **print()** method. Explain the results.
2. Write a program to demonstrate that all the methods in an interface are automatically **public**.
3. Create three interfaces, each with two methods. Inherit a new interface that combines the three, adding a new method. Create a class by implementing the new interface and also inheriting from a concrete class. Now write four methods, each of which takes one of the four interfaces as an argument. In **main()**, create an object of your class and pass it to each of the methods.