

Lab – 7

1. Create a class to print the area of a square and a rectangle. The class has two methods with the same name but different number of parameters. The method for printing area of rectangle has two parameters which are length and breadth respectively while the other method for printing area of square has one parameter which is side of square.
2. Create a class named 'Rectangle' with two data members- length and breadth and a method to calculate the area which is 'length*breadth'. The class has three constructors which are: a - having no parameter - values of both length and breadth are assigned zero. b - having two numbers as parameters - the two numbers are assigned as length and breadth, respectively. c - Having one number as parameter - both length and breadth are assigned to the number. Now, create objects of the 'Rectangle' class having none, one and two parameters and print their areas.
3. Create a Class named GeometricShape Class with attributes borderColor (String), filled (Boolean type), area() method with appropriate access specifiers ,the area() method returns 0 . This is inherited by Rectangle Class with length and width as attributes, area() method. Cuboid class with height field, area() method (surface area of a Cuboid)which inherits the Rectangle class.

