

Object Oriented Programming Lab

Assignment-05

Constructor

1. Write a program to print the names of students by creating a **Student** class. If no name is passed while creating an object of the Student class, then the name should be "Unknown", otherwise the name should be equal to the String value passed while creating the object of the Student class.
2. Create a class named **Programming**. While creating an object of the class, if nothing is passed to it, then the message "I love programming languages" should be printed. If some String is passed to it, then in place of "programming languages" the name of that String variable should be printed. For example, while creating the object if we pass "java", then "I love java" should be printed.
3. Create a class named **Rectangle** with two data members- length and breadth and a function to calculate the area which is 'length*breadth'. The class has three constructors:
 - 1 - having no parameter - values of both length and breadth are assigned zero.
 - 2 - having two numbers as parameters - the two numbers are assigned as length and breadth respectively.
 - 3 - having one number as parameter - both length and breadth are assigned that number.Now, create objects of the 'Rectangle' class having none, one and two parameters and print their areas.