Lab-4

Q.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 the area of the rectangle has two parameters which are length and breadth respectively while the other method for printing the area of the square has one parameter which is the side of the square.

Q.2
Create a class to print an integer and a character with two methods having the same name but different sequence of the integer and the character parameters.
For example, if the parameters of the first method are of the form (int n, char c), then that of the second method will be of the form (char c, int n).

Q.3
Write a program to print the names of students by creating a Student class. If no name is passed while creating an object of Student class, then the name should be "Unknown", otherwise the name should be equal to the String value passed while creating object of Student class.

Q.4
Create a class 'Student' with three data members which are name, age and address. The constructor of the class assigns default values name as "unknown", age as '0' and address as "not available". It has two members with the same name 'setInfo'. First method has two parameters for name and age and assigns the same whereas the second method takes has three parameters which are assigned to name, age and address respectively. Take 5 instances of Student class. For first 2 Student objects, assign only name and age. For the last 2 Student objects assign name, age and address. For the remaining Student object, don's assign any non default value. Print the name, age and address of all 5 students.