## **Contact Details of Hosteller**

SNMR College of Engineering and Technology wants to create an application to store their students details as well as the details of hostellers.

In case of any changes to be made to the attributes,  admin can update the details like room number and phone number of the hosteler.

Develop a program to implement this scenario.

Create a public class Student with  protected attributes :

int studentId

String name

int departmentId

String gender

String phone

Create a public class Hosteller with private attributes

String hostelName

int roomNumber

Make this class inherit the Student class, as it holds all the properties of Student.

Use appropriate public getters and setters for both the classes.

Write a class Main with the main function.

In Main class get the input of the hosteller using the method :

public static Hosteller getHostellerDetails().

Invoke this method from the main method and then modify the room number and phone number, if needed.

**Sample Input 1:**

Enter the Details:  
Student Id  
1  
Student Name  
John  
Department Id  
101  
Gender  
Male  
Phone Number  
9876543210  
Hostel Name  
YMCA  
Room Number  
10  
Modify Room Number(Y/N)  
Y  
New Room Number  
11  
Modify Phone Number(Y/N)  
Y  
New Phone Number  
9876543121

**Sample Output 1:**

The Student Details  
1 John 101 Male 9876543121 YMCA 11

**Sample Input 2:**Enter the Details:  
Student Id  
2  
Student Name  
John Paul  
Department Id  
112  
Gender  
Male  
Phone Number  
9885526536  
Hostel Name  
YMBA  
Room Number  
5  
Modify Room Number(Y/N)  
N  
Modify Phone Number(Y/N)  
N

**Sample Output 2:**The Student Details:  
2 John Paul 112 Male 9885526536 YMBA 5

2. create a class called RBI with following attributes

Like

String bankPolicy;

Double creditLimit;

Double debitLimit;

Create two sub classes which called SBI and HDF of RBI class

With the following properties like

String homeLoanPolicy;

String verificationDocuments

Int homeLoanRate;

Int personalLoanRate

Use parameterized constructor to initialize all abobe attributes;+