**import** java.util.\*;

**import** java.util.ArrayList;

**public** **class** Hotel {

String name,address;

**int** hotelId;

**int** roomId;

**int** roomNumber;

**int** roomType;

**int** roomCapacity;

**boolean** roomAc,roomWifi,roomCabel,roomLaundry;

**int** count=0;

String con;

ArrayList<Room> roomList=**new** ArrayList<Room>();

Scanner sc = **new** Scanner(System.***in***);

**public** **void** addRoom(Room t)

{

System.***out***.println("Enter the Hotel details:");

System.***out***.println("Enter the Hotel Name:");

name=sc.nextLine();

System.***out***.println("Enter the Hotel ID:");

hotelId=sc.nextInt();

sc.nextLine();

System.***out***.println("Enter the Hotel Address");

address=sc.nextLine();

**do**{System.***out***.println("Enter the Room Details:\nEnter the Room Id:");

roomId=sc.nextInt();

System.***out***.println("Enter the Room Number:");

roomNumber=sc.nextInt();

System.***out***.println("Enter the Room Type:\n1)Normal\n2)Delux\n3)Super Delux");

roomType=sc.nextInt();

System.***out***.println("Enter the Room Capacity:(1/2/3/4)");

roomCapacity=sc.nextInt();

System.***out***.println("AC Service (true/false):");

roomAc=sc.nextBoolean();

System.***out***.println("Wi-Fi Service (true/false):");

roomWifi=sc.nextBoolean();

System.***out***.println("Cable Service (true/false):");

roomCabel=sc.nextBoolean();

System.***out***.println("Laundry Service (true/false):");

roomLaundry=sc.nextBoolean();

count++;

roomList.add(**new** Room(roomId, roomType, roomNumber, roomCapacity, roomAc, roomWifi, roomCabel, roomLaundry));

System.***out***.println("Do you want to add Another Room (yes/no):");

con=sc.next();}**while**(con.equals("yes"));

}

**public** **void** display(){

System.***out***.println("Thank you for booking !!\nThe rooms Details in "+name+" :");

System.***out***.println("Hotel Name:"+name+".");

System.***out***.println("Hotel ID:"+hotelId+".");

System.***out***.println("Hotel Address:"+address+".");

System.***out***.println();

System.***out***.println("Room Details:");

**for**(**int** i=0;i<count;i++){

System.***out***.println();

roomList.get(i).display();

}

}

}

**public** **class** Room {

**int** roomId;

**int** roomType;

**int** roomNumber, roomCapacity;

**boolean** roomAc, roomWifi, roomCabel, roomLaundry;

**public** Room(**int** roomId, **int** roomType, **int** roomNumber, **int** roomCapacity,

**boolean** roomAc, **boolean** roomWifi, **boolean** roomCabel,

**boolean** roomLaundry) {

**super**();

**this**.roomId = roomId;

**this**.roomType = roomType;

**this**.roomNumber = roomNumber;

**this**.roomCapacity = roomCapacity;

**this**.roomAc = roomAc;

**this**.roomWifi = roomWifi;

**this**.roomCabel = roomCabel;

**this**.roomLaundry = roomLaundry;

}

**public** **void** display()

{

System.***out***.println("Room Number :"+roomNumber);

**if**(roomType==1){

System.***out***.println("Room Type :Normal");}

**else** **if**(roomType==2)

System.***out***.println("Room Type :Delux");

**else** **if**(roomType==3){

System.***out***.println("Room Type :Super Delux");

}

System.***out***.println("Services Available:");

**if**(roomAc){

System.***out***.println("AC");

}

**if**(roomWifi){

System.***out***.println("Wi-Fi");

}

**if**(roomCabel)

System.***out***.println("Cable Connection");

**if**(roomLaundry)

System.***out***.println("Laundry");

}

}

**import** java.util.Scanner;

**public** **class** Main {

**public** **static** **void** main(String[] args) {

Scanner sc=**new** Scanner(System.***in***);

**int** roomId=0;;

**int** roomType=0;

**int** roomNumber=0, roomCapacity=0;

**boolean** roomAc=**false**, roomWifi=**false**, roomCabel=**false**, roomLaundry=**false**;

Hotel hotel=**new** Hotel();

hotel.addRoom(**new** Room(roomId, roomType, roomNumber, roomCapacity, roomAc, roomWifi, roomCabel, roomLaundry));

hotel.display();

}

}