**import** java.text.ParseException;

**import** java.text.SimpleDateFormat;

**import** java.util.Date;

**import** java.util.Scanner;

**public** **class** HotelCase {

**public** **static** **void** main(String[] args) **throws** NumberFormatException, ParseException {

System.***out***.println("Enter Room1 Details");

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

String detail1;

detail1=input.nextLine();

SimpleDateFormat df=**new** SimpleDateFormat("dd-MM-yyyy");

Room room=**new** Room(Integer.*parseInt*(detail1.split(",")[0]),Integer.*parseInt*(detail1.split(",")[1]),detail1.split(",")[2],Integer.*parseInt*(detail1.split(",")[3]),

df.parse(detail1.split(",")[4]),Double.*parseDouble*(detail1.split(",")[5]));

System.***out***.println("Enter Room2 Details ");

String detail2;

detail2=input.nextLine();

Room room1=**new** Room(Integer.*parseInt*(detail2.split(",")[0]),Integer.*parseInt*(detail2.split(",")[1]),detail2.split(",")[2],Integer.*parseInt*(detail2.split(",")[3]),

df.parse(detail2.split(",")[4]),Double.*parseDouble*(detail2.split(",")[5]));

System.***out***.println("Room1"+"\n"+room);

System.***out***.println("Room2"+"\n"+room1);

System.***out***.println(room.equals(room1)?"Room 1 is same as Room 2":"Room1 and Room 2 are different");

}

}

**class** Room

{

**private** **int** \_number;

**private** **int** \_floor;

**private** String \_type;

**private** **int** \_capacity;

**private** Date \_bookedTime;

**private** **double** \_price;

**public** **int** get\_number() {

**return** \_number;

}

**public** **void** set\_number(**int** \_number) {

**this**.\_number = \_number;

}

**public** **int** get\_floor() {

**return** \_floor;

}

**public** **void** set\_floor(**int** \_floor) {

**this**.\_floor = \_floor;

}

**public** String get\_type() {

**return** \_type;

}

**public** **void** set\_type(String \_type) {

**this**.\_type = \_type;

}

**public** **int** get\_capacity() {

**return** \_capacity;

}

**public** **void** set\_capacity(**int** \_capacity) {

**this**.\_capacity = \_capacity;

}

**public** Date get\_bookedTime() {

**return** \_bookedTime;

}

**public** **void** set\_bookedTime(Date \_bookedTime) {

**this**.\_bookedTime = \_bookedTime;

}

**public** **double** get\_price() {

**return** \_price;

}

**public** **void** set\_price(**double** \_price) {

**this**.\_price = \_price;

}

**public** Room(**int** \_number, **int** \_floor, String \_type, **int** \_capacity, Date \_bookedTime, **double** \_price) {

**this**.\_number = \_number;

**this**.\_floor = \_floor;

**this**.\_type = \_type;

**this**.\_capacity = \_capacity;

**this**.\_bookedTime = \_bookedTime;

**this**.\_price = \_price;

}

**public** Room() {

}

@Override

**public** String toString() {

SimpleDateFormat df=**new** SimpleDateFormat("dd-MM-yyyy");

**return** "Number:" + \_number +"\n"+ "Floor:" + \_floor +"\n"+ "Type:" + \_type +"\n"+ "Capacity:" + \_capacity+"\n"

+"BookedTime:" + df.format(\_bookedTime) +"\n"+ "Price:" + \_price+"\n";

}

**public** **boolean** equals(Room room)

{

**if**(**this**.\_floor==room.\_floor && **this**.\_number==room.\_number && **this**.\_type.equalsIgnoreCase(room.\_type))

{

**return** **true**;

}

**else**

{

**return** **false**;

}

}

}