**import** java.text.ParseException;

**import** java.text.SimpleDateFormat;

**import** java.util.ArrayList;

**import** java.util.Date;

**import** java.util.List;

**import** java.util.Map;

**import** java.util.Map.Entry;

**import** java.util.Scanner;

**import** java.util.TreeMap;

**public** **class** HotelCasereq6 {

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

List<Room>list=**new** ArrayList<Room>();

System.***out***.println("Enter the number of rooms");

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

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

**int** no=Integer.*parseInt*(input.nextLine());

**for**(**int** i=0;i<no;i++)

{

String detail=input.nextLine();

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

detail.split(",")[2],Integer.*parseInt*(detail.split(",")[3]),df.parse(detail.split(",")[4])

,Double.*parseDouble*(detail.split(",")[5]));

list.add(room);

}

System.***out***.println("Date\t Count");

Map<Date,Integer>map=Room.*CalculateDateCount*(list);

**for** (Entry<Date, Integer> room : map.entrySet()) {

System.***out***.println(df.format(room.getKey())+" "+room.getValue());

}

}

}

**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;

}

**static** Map<Date,Integer> CalculateDateCount(List<Room> list)

{

Map<Date,Integer>tree=**new** TreeMap<Date,Integer>();

**int** count=1;

**for** (Room room : list) {

**if**(!tree.containsKey(room.\_bookedTime))

{

tree.put(room.\_bookedTime,count);

}

**else**

{

tree.put(room.\_bookedTime,tree.get(room.\_bookedTime)+1);

}

}

**return** tree;

}

}