**Problem 47 Hotel**

**package** doselect47;

**public** **class** Customer {

String name;

**int** numberOfRooms;

**public** Customer(String name, **int** numberOfRooms) {

}

}

**package** doselect47;

**import** java.util.ArrayList;

**import** java.util.List;

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

List<String> customerName = **new** ArrayList<>();

**int** roomsBooked=0;

**int** flag=0;

**public** String checkIn(Customer customer) {

**if**(roomsBooked<=10)

{

flag=1;

roomsBooked+=1;

customerName.add(customer.name);

**return** " Checked in";

}

**else**

**return** "No rooms available";

}

**public** String checkRooms(Customer customer) {

**if**(flag==1)

**return** "Yes";

**else**

**return** "No";

}

}

**package** doselect47;

**public** **class** main {

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

// **TODO** Auto-generated method stub

Customer cust=**new** Customer("Doselect", 4);

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

String out =hotel.checkIn(cust);

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

}

}