BZU-HUB

صُمِمَ هَذا الموقع ليخدم طلبة جامعة بيرزيت، وهو
موقع غير ربحي

```java
1  package myPackage;
2  // Full Name: Lina Abureesh
5  import java.util.*;
6
7  public class HotelReservationSystem {
8
9      public static void main(String[] args) {
10         Scanner sc = new Scanner(System.in);
11         while (true) {
12             System.out.println("---------------------------------------------------------------");
13             System.out.println("Please Select An Option(1-7)");
14             System.out.println("1- Reserve an available room.");
15             System.out.println("2- Choose room type.");
16             System.out.println("3- Change room.");
17             System.out.println("4- Delete the reserved room.");
18             System.out.println("5- Delete all reserved rooms.");
19             System.out.println("6- Show all reserved rooms information.");
20             System.out.println("7- Exit System.\n");
21             int o = sc.nextInt();
22             if (o == 1) {
23                 reserveRoom();
24             } else if (o == 2) {
25                 selectRoomType();
26             } else if (o == 3) {
27                 changeRoom();
28             } else if (o == 4) {
29                 deleteReservedRoom();
30             } else if (o == 5) {
31                 deleteALLReservedRoom();
32             } else if (o == 6) {
33                 showALLReservedRoomsInformation();
34             } else if (o == 7) {
35                 System.out.println("You are exiting the system, thank you!");
36                 break;
37             } else {
38                 System.out.println("Sorry, You have entered a wrong number.");
39             }
40             System.out.println();
41         }
42
43     }
```

```java
43        }
44
45⊖    public static void reserveRoom() {
46            Scanner sc1 = new Scanner(System.in);
47            System.out.println("Please enter a valid room number from 1 to 50: \n");
48            int n = sc1.nextInt();
49            while (n < 1 || n > 50) {
50                System.out.println("Sorry, you have entered an invalid room number.");
51                System.out.println("Please enter a valid room number from 1 to 50: \n");
52                n = sc1.nextInt();
53            }
54            System.out.println("Thank you, your room number " + n + " has been reserved for you.");
55        }
56
57⊖    public static void selectRoomType() {
58            String t = "Non";
59            Scanner sc2 = new Scanner(System.in);
60            while (true) {
61                System.out.println("Please select the number of room type as follows: ");
62                System.out.println("1- Single");
63                System.out.println("2- Double");
64                System.out.println("3- King");
65                System.out.println("4- Deluxe\n");
66                int s = sc2.nextInt();
67                if (s < 1 || s > 4) {
68                    System.out.println("Sorry, there is no room type with number " + s);
69                } else {
70                    if (s == 1) {
71                        t = "Single";
72                    } else if (s == 2) {
73                        t = "Double";
74                    } else if (s == 3) {
75                        t = "King";
76                    } else {
77                        t = "Deluxe";
78                    }
79                    System.out.println("Thank you, the " + t + " room has been reserved for you.");
80                    break;
81                }
82            }
83        }
84
```

```java
     public static void changeRoom() {
         Scanner sc3 = new Scanner(System.in);
         System.out.println("Please enter a valid room number from 1 to 50: \n");
         int n = sc3.nextInt();
         while (n < 1 || n > 50) {
             System.out.println("Sorry, you have entered an invalid room number.");
             System.out.println("Please enter a valid room number from 1 to 50: \n");
             n = sc3.nextInt();
         }
         System.out.println("Thank you, your room has been changed to room number " + n);
     }

     public static void deleteReservedRoom() {
         Scanner sc4 = new Scanner(System.in);
         System.out.println("Please enter the room number that you want to delete: \n");
         int n = sc4.nextInt();
         while (n < 1 || n > 50) {
             System.out.println("Sorry, you have entered an invalid room number.");
             System.out.println("Please enter a valid room number from 1 to 50: \n");
             n = sc4.nextInt();
         }
         System.out.println("Thank you, room number " + n + " has been deleted.");
     }

     public static void deleteAllReservedRoom() {
         System.out.println("Thank you, all your reserved rooms have been deleted.");
     }

     public static void showAllReservedRoomsInformation() {
         System.out.println("Thank you for booking with us.");
     }

}
```