CustomerBooking.java   LuxuryResort.java   Resort.java ⊠   Tester.java   Queue.java   Solution.java   Stack.java   Tester.java

```java
40            this.totalStayCost = totalStayCost;
41        }
42
43        //To Trainee
44        public void generateBookingID() {
45            counter++;
46            String bookId;
47            if(roomType.equalsIgnoreCase("Gold")){
48                bookId="G"+counter;
49                custBooking.setCustBookingID(bookId);
50            }
51            else if(roomType.equalsIgnoreCase("Deluxe")){
52                bookId="D"+counter;
53                custBooking.setCustBookingID(bookId);
54            }
55            else{
56                bookId="R"+counter;
57                custBooking.setCustBookingID(bookId);
58            }
59
60            //Implement your logic here
61
62        }
63
64        //To Trainee
```
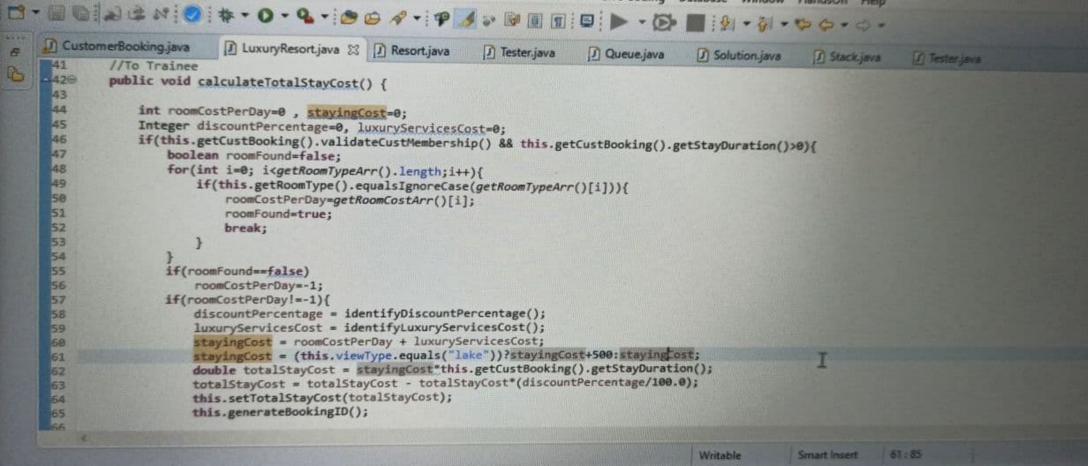
```java
62        }
63
64        //To Trainee
65        public Integer identifyDiscountPercentage() {
66            int discountPercentage=0;
67            if(custBooking.getMembershipType().equals("Gold")){
68                if(this.roomType.equalsIgnoreCase("Executive")){
69                    discountPercentage=10;
70                }
71                else if(this.roomType.equalsIgnoreCase("Deluxe")){
72                    discountPercentage=8;
73                }
74            }
75                else if(custBooking.getMembershipType().equals("Platinum")){
76                    discountPercentage=15;
77            }
78                else{
79                    discountPercentage=0;
80                }
81            //Implement your logic here
82
83
84            //Change the return statement accordingly
85            return discountPercentage;
86        }
87
```

```java
14      this.reqLuxuryServicesArr - reqLuxuryServicesArr;
15      }
16
17      //To Trainee
18●     public Integer identifyLuxuryServicesCost() {
19          int luxuryServicesCost=0;
20          if(this.reqLuxuryServicesArr==null){
21              luxuryServicesCost=0;
22          }
23          else{
24              for(String s: reqLuxuryServicesArr){
25                  for(int i=0; i <LuxuryServicesArr.length;i++)
26                      if(s.equalsIgnoreCase(luxuryServicesArr[i]))
27                          luxuryServicesCost+=LuxuryServicesCostArr[i];
28
29
30
31              }
32          }
33
34          //Implement your logic here
35
36
37          //Change the return statement accordingly
38          return luxuryServicesCost;
39      }
```

```java
41        //To Trainee
42        public void calculateTotalStayCost() {
43
44            int roomCostPerDay=0 , stayingCost=0;
45            Integer discountPercentage=0, luxuryServicesCost=0;
46            if(this.getCustBooking().validateCustMembership() && this.getCustBooking().getStayDuration()>0){
47                boolean roomFound=false;
48                for(int i=0; i<getRoomTypeArr().length;i++){
49                    if(this.getRoomType().equalsIgnoreCase(getRoomTypeArr()[i])){
50                        roomCostPerDay=getRoomCostArr()[i];
51                        roomFound=true;
52                        break;
53                    }
54                }
55                if(roomFound==false)
56                    roomCostPerDay=-1;
57                if(roomCostPerDay!=-1){
58                    discountPercentage = identifyDiscountPercentage();
59                    luxuryServicesCost = identifyLuxuryServicesCost();
60                    stayingCost = roomCostPerDay + luxuryServicesCost;
61                    stayingCost = (this.viewType.equals("lake"))?stayingCost+500:stayingCost;
62                    double totalStayCost = stayingCost*this.getCustBooking().getStayDuration();
63                    totalStayCost = totalStayCost - totalStayCost*(discountPercentage/100.0);
64                    this.setTotalStayCost(totalStayCost);
65                    this.generateBookingID();
66
```

```java
59          luxuryServicesCost = identifyLuxuryServicesCost();
60          stayingCost = roomCostPerDay + luxuryServicesCost;
61          stayingCost = (this.viewType.equals("lake"))?stayingCost+500:stayingCost;
62          double totalStayCost = stayingCost*this.getCustBooking().getStayDuration();
63          totalStayCost = totalStayCost - totalStayCost*(discountPercentage/100.0);
64          this.setTotalStayCost(totalStayCost);
65          this.generateBookingID();
66
67          }
68          else{
69              this.getCustBooking().setCustBookingID("NA");
70              this.setTotalStayCost(-1.0);
71          }
72      }
73      else{
74          this.getCustBooking().setCustBookingID("NA");
75          this.setTotalStayCost(-1.0);
76      }
77
78
79      //Implement your logic here
80
81  }
82 }
83
84
```