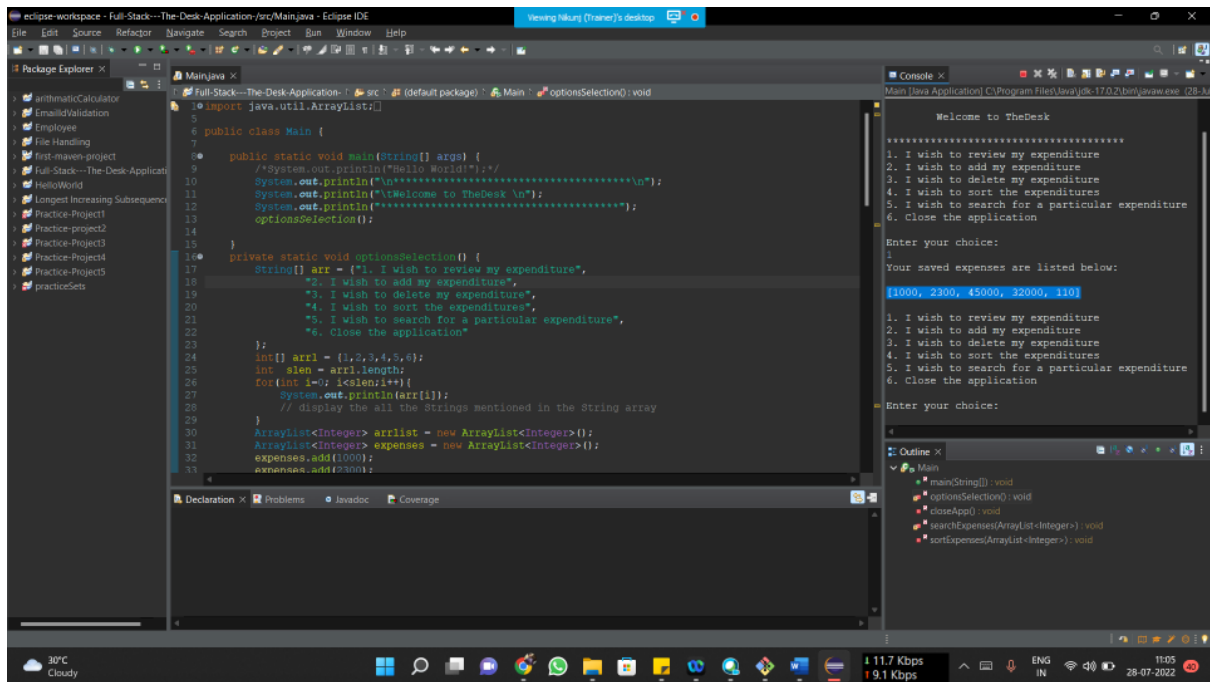


The-Desk-Application Bug Fix SS

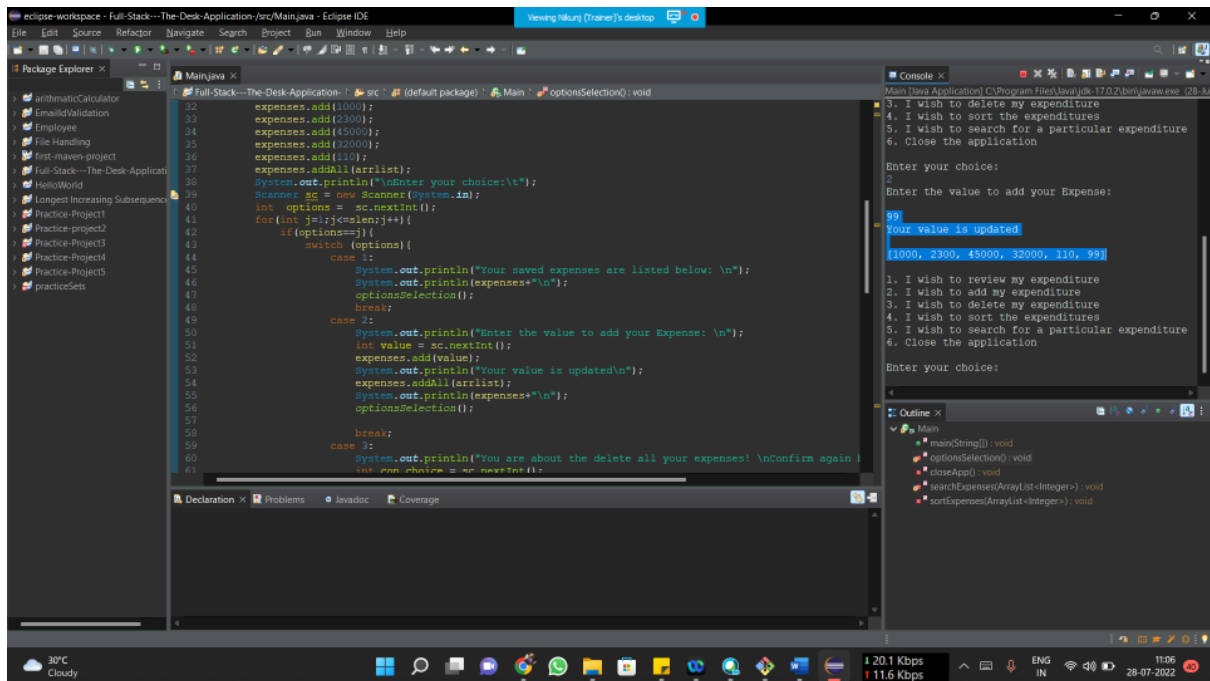


```
1 import java.util.ArrayList;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         //System.out.println("Hello World!");
7         System.out.println("\n*****\n");
8         System.out.println("Welcome to TheDesk\n");
9         System.out.println("*****\n");
10        optionsSelection();
11    }
12
13    private static void optionsSelection() {
14        String[] arr = {"1. I wish to review my expenditure",
15                        "2. I wish to add my expenditure",
16                        "3. I wish to delete my expenditure",
17                        "4. I wish to sort the expenditures",
18                        "5. I wish to search for a particular expenditure",
19                        "6. Close the application"};
20
21        int[] arr1 = {1,2,3,4,5,6};
22        int len = arr1.length;
23        for(int i=0; i<len; i++){
24            System.out.println(arr[i]);
25        }
26        // display the all the Strings mentioned in the String array
27
28        ArrayList<Integer> arrlist = new ArrayList<Integer>();
29        ArrayList<Integer> expenses = new ArrayList<Integer>();
30        expenses.add(1000);
31        expenses.add(2300);
32    }
33 }
```

Console Output:

```
Welcome to TheDesk
*****
1. I wish to review my expenditure
2. I wish to add my expenditure
3. I wish to delete my expenditure
4. I wish to sort the expenditures
5. I wish to search for a particular expenditure
6. Close the application

Enter your choice:
Your saved expenses are listed below:
1000, 2300, 45000, 32000, 110
```



```
32 expenses.add(1000);
33 expenses.add(2300);
34 expenses.add(45000);
35 expenses.add(32000);
36 expenses.add(110);
37 expenses.addAll(arrlist);
38 System.out.println("\nEnter your choice:\n");
39 Scanner sc = new Scanner(System.in);
40 int options = sc.nextInt();
41 for(int j=0; j<len; j++){
42     if(options==j){
43         switch (options){
44             case 1:
45                 System.out.println("Your saved expenses are listed below: \n");
46                 System.out.println(expenses+"\n");
47                 optionsSelection();
48                 break;
49             case 2:
50                 System.out.println("Enter the value to add your Expense: \n");
51                 int value = sc.nextInt();
52                 expenses.add(value);
53                 System.out.println("Your value is updated\n");
54                 expenses.addAll(arrlist);
55                 System.out.println(expenses+"\n");
56                 optionsSelection();
57                 break;
58             case 3:
59                 System.out.println("You are about to delete all your expenses! \nConfirm again! \n");
60                 int con_choice = sc.nextInt();
61                 if(con_choice==1){
62                     expenses.clear();
63                 }
64                 break;
65             case 4:
66                 System.out.println("Sort the expenditures\n");
67                 Collections.sort(expenses);
68                 System.out.println(expenses+"\n");
69                 break;
70             case 5:
71                 System.out.println("Search for a particular expenditure\n");
72                 String search = sc.next();
73                 boolean found = false;
74                 for(Integer i: expenses){
75                     if(i.toString().contains(search)){
76                         found = true;
77                         System.out.println(i+"\n");
78                     }
79                 }
80                 if(!found){
81                     System.out.println("No expenditure found with the given search term\n");
82                 }
83                 break;
84             case 6:
85                 System.out.println("Close the application\n");
86                 break;
87             default:
88                 System.out.println("Invalid choice\n");
89         }
90     }
91 }
92 }
```

Console Output:

```
3. I wish to delete my expenditure
4. I wish to sort the expenditures
5. I wish to search for a particular expenditure
6. Close the application

Enter your choice:
Enter the value to add your Expense:
99
Your value is updated
1000, 2300, 45000, 32000, 110, 99
```

