



Package Explorer ×

- > AccessMod
- > ArithmeticOperators
- > Arrays
- > AssistedPractice2
- > AssistedPractice3
- > AssistedPractice4
- > CallingMethod
- > Collection
- > Constructors
- > Conversion
- > EmailId
- > ExplicitTypecasting
- > FileHandling
- > Fixbugs
- > InnerClass
- > LongestIncrease
- > Map
- > RegularExp
- > Welcome

Welcome.java

ExplicitType...

Arrays.java

RegularExp...

MyOuterClas...

Doublelink.java

*Fixbugs.java ×

»33

Outline ×

Fixbugs

- main(String[]) : void
- closeApp() : void
- searchExpenses(ArrayList<Integer>) : void
- sortExpenses(ArrayList<Integer>) : void
- optionsSelection() : void

```
1 import java.util.ArrayList;
2 import java.util.Collections;
3 import java.util.Scanner;
4
5 public class Fixbugs{
6     public static void main(String[] args) {
7         /*System.out.println("Hello World!");*/
8         System.out.println("\n ----- \n");
9         System.out.println("\nWelcome \n");
10        System.out.println("\n ----- \n");
11        optionsSelection();
12    }
13    private static void optionsSelection() {
14        String[] arr= {"1.add expenditure",
15                      "2.review the expenditure",
16                      "3.sort the expenditure",
17                      "4.search the exact expenditure",
18                      "5.delete expenditure",
19                      "6.Close application"
20        };
21        int[] arr1= {1,2,3,4,5,6};
22        int slen=arr1.length;
23        for(int i=0;i<slen;i++) {
24            System.out.println(arr[i]);
25        }
26        ArrayList<Integer> arrlist=new ArrayList<Integer>();
27        ArrayList<Integer> expenses=new ArrayList<Integer>();
28        expenses.add(3000);
29        expenses.add(1300);
30        expenses.add(5000);
31        expenses.addAll(arrlist);
32        System.out.println("\nEnter choice:\t");
33        Scanner sc=new Scanner(System.in);
34        int options=sc.nextInt();
35        for(int j=1;j<=slen;j++) {
36            if(options==j) {
37                switch(options) {
38
39
```

Problems @ Javadoc Declaration Console ×

<terminated> Fixbugs [Java Application] C:\Users\Varshitha B S\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\javaw.exe (17 May 2023, 22:37:47 – 22:38:40) [pid:

1 add expenditure



Type here to search



27°C Mostly cloudy



23:14

17/05/2023

10



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```
39
40
41     case 1:
42         System.out.println("Your saved expenses are listed below:\n");
43         System.out.println(expenses+"\n");
44         optionsSelection();
45         break;
46     case 2:
47         System.out.println("Enter the value to add your Expenses:\n");
48         int value=sc.nextInt();
49         expenses.add(value);
50         System.out.println("Your value is updated\n");
51         expenses.addAll(arrlist);
52         System.out.println(expenses+"\n");
53         optionsSelection();
54         break;
55     case 3:
56         System.out.println("You are about the delete all your expenses!\nConfirm again by selectin");
57         int con_choice=sc.nextInt();
58         if(con_choice==options) {
59             expenses.clear();
60             System.out.println(expenses+"\n");
61             System.out.println("All your expenses are erased!\n");
62         }else {
63             System.out.println("Oops...try again!");
64         }
65         optionsSelection();
66         break;
67     case 4:
68         sortExpenses(expenses);
69         optionsSelection();
70         break;
71     case 5:
72         searchExpenses(expenses);
73         optionsSelection();
74         break;
75     case 6:
76         closeApp();
77         break;
78     default:
```

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1 add expenditure

Writable

Smart Insert

35 : 34 : 1073



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23:15
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```
73         break;
74     case 6:
75         closeApp();
76         break;
77     default:
78         System.out.println("You have made an invalid choice!");
79         break;
80     }
81 }
82 }
83 }
84 private static void closeApp() {
85     System.out.println("Closing application...\nThank you");
86 }
87
88
89 private static void searchExpenses(ArrayList<Integer>arrayList) {
90     int leng=arrayList.size();
91
92
93     Scanner sc=new Scanner(System.in);
94     System.out.println("Enter the expenses to search:\t");
95     int expensesToSearch=sc.nextInt();
96
97     if(arrayList.contains(expensesToSearch)) {
98         System.out.println("Expenses not found!");
99     }else {
100         System.out.println("Expenses not found!");
101     }
102 }
103
104 private static void sortExpenses(ArrayList<Integer>arrayList) {
105     int arlength=arrayList.size();
106
107     Collections.sort(arrayList);
108     System.out.println("Expenses sorted in ascending order:"+arrayList);
109 }
110 }
111 }
```

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Welcome

- 1.add expenditure
- 2.review the expenditure
- 3.sort the expenditure
- 4.search the exact expenditure
- 5.delete expenditure
- 6.Close application

Enter choice:

1
Your saved expenses are listed below:

[3000, 1300, 5000]

- 1.add expenditure
- 2.review the expenditure
- 3.sort the expenditure
- 4.search the exact expenditure
- 5.delete expenditure
- 6.Close application

Enter choice:

2
Enter the value to add your Expenses:

310
Your value is updated

[3000, 1300, 5000, 310]

- 1.add expenditure
- 2.review the expenditure
- 3.sort the expenditure
- 4.search the exact expenditure

5.delete expenditure

<





<terminated> Fixbugs [Java Application] C:\Users\Varshitha B S\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\javaw.exe (17 May 2023, 22:37:47 – 22:38:40) [pid: 8832]

Your value is updated

[3000, 1300, 5000, 310]

- 1.add expenditure
- 2.review the expenditure
- 3.sort the expenditure
- 4.search the exact expenditure
- 5.delete expenditure
- 6.Close application

Enter choice:

3
You are about the delete all your expenses!
Confirm again by selecting the same option...

4
Oops...try again!
1.add expenditure
2.review the expenditure
3.sort the expenditure
4.search the exact expenditure
5.delete expenditure
6.Close application

Enter choice:

5
Enter the expenses to search:
1300

Expenses not found!
1.add expenditure
2.review the expenditure
3.sort the expenditure
4.search the exact expenditure
5.delete expenditure
6.Close application

Enter choice:

6
Closing application...
Thank you

