

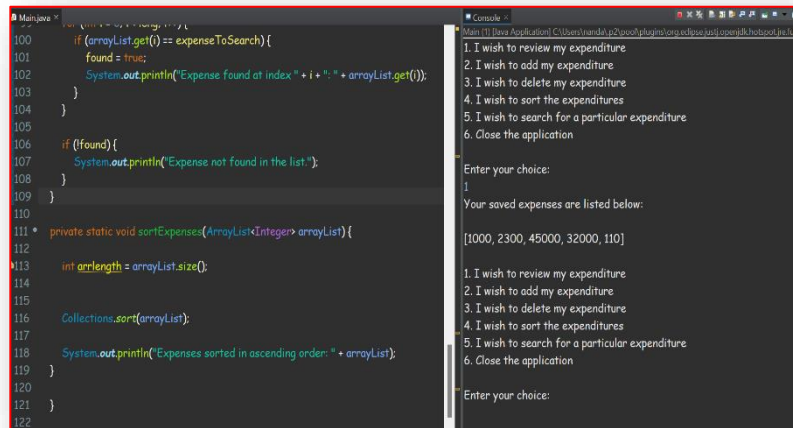
Different Output for Various Choice

I had pushed the Updated Code to git below is the URL link

<https://github.com/R-NandaKumar/Java-Fsd>

(press ctrl + click)

Before Sorting



The screenshot shows a Java IDE with a code editor on the left and a console window on the right. The code editor displays a Java program with a menu of options: 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, and 6. Close the application. The console window shows the user's choice of 1, followed by the message "Your saved expenses are listed below:" and the array [1000, 2300, 45000, 32000, 110].

```
100 if (arrayList.get(i) == expenseToSearch) {
101     found = true;
102     System.out.println("Expense found at index " + i + ": " + arrayList.get(i));
103 }
104 }
105 }
106 if (!found) {
107     System.out.println("Expense not found in the list.");
108 }
109 }
110
111 * private static void sortExpenses(ArrayList<Integer> arrayList) {
112
113     int arrlength = arrayList.size();
114
115     Collections.sort(arrayList);
116
117     System.out.println("Expenses sorted in ascending order: " + arrayList);
118 }
119 }
120 }
121 }
122 }
```

Console Output:

```
Main [1] [Java Application] C:\Users\Nanda\p2\pooch\plugins\org.eclipse.justi.openjdk.hotspot.jre.full
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

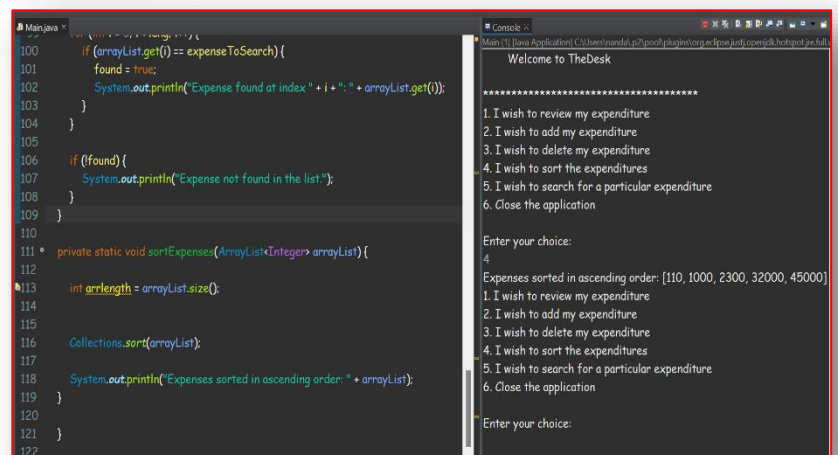
Enter your choice:
1
Your saved expenses are listed below:

[1000, 2300, 45000, 32000, 110]

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:
```

After Sorting



The screenshot shows the same Java IDE as before, but the console output now shows the expenses sorted in ascending order: [110, 1000, 2300, 32000, 45000].

```
100 if (arrayList.get(i) == expenseToSearch) {
101     found = true;
102     System.out.println("Expense found at index " + i + ": " + arrayList.get(i));
103 }
104 }
105 }
106 if (!found) {
107     System.out.println("Expense not found in the list.");
108 }
109 }
110
111 * private static void sortExpenses(ArrayList<Integer> arrayList) {
112
113     int arrlength = arrayList.size();
114
115     Collections.sort(arrayList);
116
117     System.out.println("Expenses sorted in ascending order: " + arrayList);
118 }
119 }
120 }
121 }
122 }
```

Console Output:

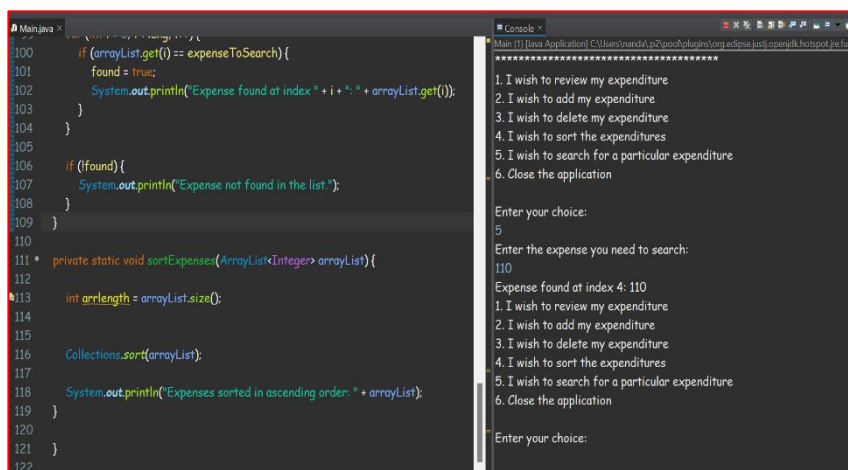
```
Main [1] [Java Application] C:\Users\Nanda\p2\pooch\plugins\org.eclipse.justi.openjdk.hotspot.jre.full
Welcome to TheDesk

*****
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:
4
Expenses sorted in ascending order: [110, 1000, 2300, 32000, 45000]
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:
```

For Searching operation



The screenshot shows the same Java IDE as before, but the console output now shows the user's choice of 5, followed by the message "Enter the expense you need to search:" and the array [110].

```
100 if (arrayList.get(i) == expenseToSearch) {
101     found = true;
102     System.out.println("Expense found at index " + i + ": " + arrayList.get(i));
103 }
104 }
105 }
106 if (!found) {
107     System.out.println("Expense not found in the list.");
108 }
109 }
110
111 * private static void sortExpenses(ArrayList<Integer> arrayList) {
112
113     int arrlength = arrayList.size();
114
115     Collections.sort(arrayList);
116
117     System.out.println("Expenses sorted in ascending order: " + arrayList);
118 }
119 }
120 }
121 }
122 }
```

Console Output:

```
Main [1] [Java Application] C:\Users\Nanda\p2\pooch\plugins\org.eclipse.justi.openjdk.hotspot.jre.full
*****
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:
5
Enter the expense you need to search:
110
Expense found at index 4: 110
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:
```