```
package FixBugs;

import java.util.ArrayList;
import java.util.Arrays;
import java.util.Collections;
import java.util.Scanner;

public class myJDB {
	public static void main(String[] args) {

		System.out.println("My monthly expenditure Cross check");

		myFixer();

	}

	private static void myFixer() {
		String[] arr = { "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" };

		int length = arr.length;
		for (int i = 0; i < length; i++) {
			System.out.println(arr[i]);
		}

		ArrayList<Integer> expenses = new ArrayList<>();
		expenses.add(100);
		expenses.add(2300);
		expenses.add(45000);
		expenses.add(32000);
		expenses.add(110);
		System.out.println(expenses);

		System.out.println("\nEnter your choice:\t");
		Scanner sc = new Scanner(System.in);
		int option = sc.nextInt();

		for (int j = 1; j <= length; j++) {
			if (option == j) {
				switch (option) {
				case 1:
					System.out.println("Your saved expenses are
listed below: \n");
					System.out.println(expenses + "\n");
					myFixer();
					break;
```

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                                case 2:
                                        System.out.println("Enter the value to add
your Expense: \n");
                                        int value = sc.nextInt();
                                        expenses.add(value);
                                        System.out.println("Your value is
updated\n");
                                        System.out.println(expenses + "\n");
                                        myFixer();

                                        break;
                                case 3:
                                        System.out.println(
                                                        "You are about the delete
all your expenses! \nConfirm again by selecting the same option...\n");
                                        int con_choice = sc.nextInt();
                                        if (con_choice == option) {
                                                expenses.clear();
                                                System.out.println(expenses +
"\n");
                                                System.out.println("All your
expenses are erased!\n");
                                        } else {
                                                System.out.println("Oops... try
again!");
                                        }
                                        myFixer();
                                        break;
                                case 4:
                                        sortExpenses(expenses);
                                        myFixer();
                                        break;
                                case 5:
                                        searchExpenses(expenses);
                                        myFixer();
                                        break;
                                case 6:
                                        closeApp();
                                        break;
                                default:
                                        System.out.println("You have made an
invalid choice!");
                                        break;
                                }
                        }
                }

        }

        private static void closeApp() {
```

```
                System.out.println(
                                "the application is closing  \n  ********** \n
Enter  '0' if you refuse. \n  enter 'continue' to proceed to close");
                Scanner s = new Scanner(System.in);
                try {
                        int gg = s.nextInt();

                        if (gg == 0) {
                                myFixer();
                        }
                } catch (Exception e) {
                        System.out.println("the app is closed");
                }
        }

        private static void searchExpenses(ArrayList<Integer> expenses) {

                System.out.println("enter the expense yu wanted to search");
                Scanner se = new Scanner(System.in);
                int l = se.nextInt();

                for (int i = 0; i < expenses.size(); i++) {

                        if (l == expenses.get(i)) {
                                System.out.println("your expense " + l + " is found
at index " + i + " in my expenditure list");
                        }
                }
                System.out.println("your expense " + l + " is  not found  ");
        }

        private static void sortExpenses(ArrayList<Integer> expenses) {

        Collections.sort(expenses);   //sorted in ascending order

        System.out.println("the sorted expense list ascending order is ");
        for (Integer integer : expenses) {
                System.out.print(integer+" " );

        }
        System.out.println("\n***************");
        }

}
```