```
package com.simply;


	import java.util.ArrayList;
	import java.util.Scanner;

	public class Bugs {

	   public static void main(String[] args) {
	      /*System.out.println("Hello World!");*/
	      System.out.println("\n**************************************\n");
	      System.out.println("\tWelcome to TheDesk \n");
	      System.out.println("**************************************");
	      optionsSelection();

	   }
	   private static void optionsSelection() {
	      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[] arr1 = {1,2,3,4,5,6};
	      int  slen = arr1.length;
	      for(int i=0; i<slen;i++){
	         System.out.println(arr[i]);
	         // display the all the Strings mentioned in the String array
	      }
	      ArrayList<Integer> arrlist = new ArrayList<Integer>();
```

```
ArrayList<Integer> expenses = new ArrayList<Integer>();
expenses.add(2000);
expenses.add(2500);
expenses.add(55000);
expenses.add(39000);
expenses.add(1710);
expenses.addAll(arrlist);
System.out.println("\nEnter your choice:\t");
Scanner sc = new Scanner(System.in);
int  options =  sc.nextInt();
for(int j=1;j<=slen;j++){
   if(options==j){
      switch (options){
         case 1:
            System.out.println("Your saved expenses are listed below: \n");
            System.out.println(expenses+"\n");
            optionsSelection();
            break;
         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");
            expenses.addAll(arrlist);
            System.out.println(expenses+"\n");
            optionsSelection();

            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==options){
                    expenses.clear();
                   System.out.println(expenses+"\n");
                   System.out.println("All your expenses are erased!\n");
                } else {
                   System.out.println("Oops... try again!");
                }
                optionsSelection();
                break;
            case 4:
                sortExpenses(expenses);
                optionsSelection();
                break;
            case 5:
                searchExpenses(expenses);
                optionsSelection();
                break;
            case 6:
                closeApp();
                break;
            default:
                System.out.println("You have made an invalid choice!");
                break;
        }
      }
   }

}
private static void closeApp() {
   System.out.println("Closing your application... \nThank you!");
```

```
        }
    private static void searchExpenses(ArrayList<Integer> arrayList) {
        int leng = arrayList.size();
        System.out.println("Enter the expense you need to search:\t");


    }
    private static void sortExpenses(ArrayList<Integer> arrayList) {
        int arrlength =  arrayList.size();


    }
}
```