package fixing\_bug;

import java.util.ArrayList;

import java.util.Collections;

import java.util.Scanner;

public class FixBug {

private static ArrayList<Integer> *arrlist* = new ArrayList<Integer>();

private static void addExpenses() {

ArrayList<Integer> expenses = new ArrayList<Integer>();

expenses.add(1000);

expenses.add(2300);

expenses.add(45000);

expenses.add(32000);

expenses.add(110);

*arrlist*.addAll(expenses);}

private static void addAdditional( ) {

Scanner sc = new Scanner(System.***in***);

int value = sc.nextInt();

*arrlist*.add(value);

System.***err***.println(*arrlist*+"\n");}

private static void optionsSelection() {

FixBug errorHandle = new FixBug();

ArrayList<Integer> myList = *arrlist*;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 particularexpenditure", "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]);

}

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.***err***.println(myList+"\n");*optionsSelection*();

break;

case 2:System.***out***.println("Enter the value to add your Expense:\t");

*addAdditional*();System.***out***.println("Your value is updated\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){*arrlist*.clear();

System.***out***.println(*arrlist*+"\n");

System.***err***.println("All your expenses are erased!\n");

}else {System.***err***.println("Oops... try again!\n");

}

*optionsSelection*();

break;

case 4:*addExpenses*();*optionsSelection*();

break;

case 5:*searchExpenses*(myList);*optionsSelection*();

break;

case 6:*closeApp*();

break;

default:System.***err***.println("You have made an invalid choice!");

break;}

}

}

}

private static void closeApp() {

System.***out***.println("\nClosing your application... \nThank you!");

}

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

int leng = arrayList.size();System.***out***.println("Enter the expense youneed to search:\t");

Scanner sc = new Scanner(System.***in***);

int val = sc.nextInt();

if(*arrlist*.contains(val)) {

System.***err***.println("Your Expenditure is Existed .\n");

System.***err***.println("Found at the Index of "+*arrlist*.indexOf(val)+" In the Array List..\n");

}

else System.***out***.println("Oh..! It seems Your Expenditure Doesn'tExixted");

}

private static void sortExpenses() {

Collections.*sort*(*arrlist*);

System.***out***.println(*arrlist*);

}

public static void main(String[] args) {

FixBug fix = new FixBug();

ArrayList<Integer> my = new ArrayList<>();

fix.*addExpenses*();

fix.*optionsSelection*();

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

System.***out***.println("\tWelcome to TheDesk \n");

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

FixBug errorHandle = new FixBug();

ArrayList<Integer> myList = new ArrayList<>();

errorHandle.*addExpenses*();

errorHandle.*optionsSelection*();// **TODO** Auto-generated method stub

}

}