


```

        optionsSelection();

        break;
    case 3:
        System.out.println("You are about to delete your expense!
\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("exit application");
}

private static void searchExpenses(ArrayList<Integer> arrayList) {
    int leng = arrayList.size();
    System.out.println("Enter the expense you need to search:\t");
    //Complete the method
    Scanner sc = new Scanner(System.in);
    int search = sc.nextInt();
    int index = 0;
    for (int i = 0; i < arrayList.size(); i++) {
        if (arrayList.get(i) == search) {

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        index = i;
    }
}

if (index == 0) {
    System.out.println("Value not found in the list");
} else {
    System.out.println("Value found at index " + index);
}

}

private static void sortExpenses(ArrayList<Integer> arrayList) {
    int arlength = arrayList.size();
    //Complete the method. The expenses should be sorted in ascending
order.
    //Collections.sort(arrayList);
    int temp = 0;
    int temp1 = 0;
    for (int i = 0; i < arlength; i++) {
        for (int j = 1; j < (arlength - i); j++) {
            if (arrayList.get(j-1) > arrayList.get(j)) {
                // swap elements
                temp = arrayList.get(j-1);
                temp1 = arrayList.get(j);
                arrayList.set(j,temp);
                arrayList.set(j-1,temp1);
            }
        }
    }
    System.out.println("Expenses are sorted in ascending order:\n");
    System.out.println(arrayList);
    System.out.println();
}
}

```