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=====
Election Contributions v1.0
Anders vs. Valerie
=====
1- Contribute to a Campaign
2- Report per Candidate
0- Exit
Make a choice (1-3): 1
Candidate (Anders or Valerie): Anders
Donation Amount: 1300
Your Name: Jackson

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=====
Election Contributions v1.0
Anders vs. Valerie
=====
1- Contribute to a Campaign
2- Report per Candidate
0- Exit
Make a choice (1-3): 1
Candidate (Anders or Valerie): Anders
Donation Amount: 1500
Your Name: Jackson
You cannot exceed $2700 per election.

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=====
Election Contributions v1.0
Anders vs. Valerie
=====
1- Contribute to a Campaign
2- Report per Candidate
0- Exit
Make a choice (1-3): 2
Anders:
    Total: $1300
    # of Donations: 1
    Avg. Amount: $1300

Valerie:
    Total: $0
    # of Donations: 0
    Avg. Amount: $0

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=====
Election Contributions v1.0
Anders vs. Valerie
=====
1- Contribute to a Campaign
2- Report per Candidate
0- Exit
Make a choice (1-3): 1
Candidate (Anders or Valerie): Valerie
Donation Amount: 1500
Your Name: Brown

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=====
Election Contributions v1.0
Anders vs. Valerie
=====
1- Contribute to a Campaign
2- Report per Candidate
0- Exit
Make a choice (1-3): 2
Anders:
    Total: $1300
    # of Donations: 1
    Avg. Amount: $1300

Valerie:
    Total: $1500
    # of Donations: 1
    Avg. Amount: $1500

```

The election season is upon us. The amount of money a candidate raises against his/her opponent greatly affects the outcome of the election. Anders and Valerie (completely fictional characters) are two fierce opponents fighting for the democratic party nomination.

Your job is to write a program that will help us keep track of the donations to these candidates. You will assume that the program is written for this election where Anders and Valerie are running. It is OK to hard code these into your program. Don't worry about case sensitivity of names.

Here are the features of the program:

### Feature #1: Contribute to a Campaign [60 points]

When someone wants to make a contribution we use this feature to enter the contribution information to the system. Program asks for which candidate the contribution is, and the amount of the contribution, along with the name of the person making the contribution.

To make things easier for you -- You may assume that the name of the donor is just the last name. No spaces allowed in the last name and assume that no two donors will ever have the same last name. :-)

According to US laws, no individual is allowed to make political contributions exceeding \$2700 per election. The program should not accept the contribution if the total amount of contribution of that individual (go by last name) exceeds \$2700 [50 points].

The candidate that will be entered by the user will always be either Anders or Valerie -- you do not need to error check for this.

The program supports up to 1000 donations.

### Feature #2: Report per Candidate

- Displays how many contributions are in the system for each candidate. [30 points]
- The total amount contributed for each candidate. [30 points]
- The average contribution amount for each candidate. This is basically the number you found for a) divided by the number you reported for b) for each candidate. [30 points]

**File I/O [60 points]:** Make sure that you have file I/O in place so we do not loose information when we close the program.

**Classes [40 points]:** Make sure that you are using a class representing a donation..

### Avoid Penalties:

- Each feature must be in a separate function (-60). You must use arrays to hold the data (-60)
- Your program does not compile and/or crashes while running (-60).
- Your program is not properly indented and/or commented (-60).
- Global variables are not allowed (-60).

Assume that I will deduct the maximum amount if you hit these penalties. I will also deduct the maximum amount if any of the features of the program is not functioning properly.