

## Assignment 7, due on 11/18/2020 at 11:59 pm

### 3 points

The folder `/home/OMIS107/HW7` contains an executable program, `prc`. It asks the user for his/her name and for a number, which the program multiplies it by two.

```
[msamorani@mis01 ~] ./prc
Give me a number and I will multiply it by 2: 9.08
What's your name? Fakestudent
Dear Fakestudent, 9.080000 x 2 = 18.160000
```

Run the program giving longer and longer names, and see what happens to the arithmetic operation.

Your task: when prompted for your name, input something that makes the arithmetic operation look wrong but does not cause segmentation fault, as in the example below:

```
[msamorani@mis01 ~] ./prc
Give me a number and I will multiply it by 2: -10
What's your name? [REDACTED]
Dear [REDACTED], -8.011773 x 2 = -16.023546
[msamorani@mis01 ~] █
```

Submit a document (pdf, docx, etc) containing two things:

- 1) A snapshot of your solution, like the one above, but obviously without hiding anything 😊
- 2) A brief explanation (at most 4 lines of text) of why the input you gave causes the numbers to be wrong.