Queens College, CUNY, Department of Computer Science

Software Engineering CSCI 370 Fall 2018

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due date Friday October 12, 2018

3 Project 3

3.1 Background information

- I assigned "Quiz 1" to my CS365/765 Computational Finance class on Wed. Oct. 3, 2018.
- There are 69 students (in 2 sections).
- A total of 21 students scored D.
- It was a programming question, containing among other things a for loop as follows. (Note: the initialization i = 1 is correct and is not a bug.)

```
for (int i = 1; i < n; ++i) { ... }
```

- Many (but not all) of the 21 who scored D stated the for loop was erroneous because of the pre-increment ++i.
- Sample student solutions are given below.
 - 1. First inside the for loop, by incrementing i as ++i rather than i++, i will increment at the start of the loop. This should be i++.
 - 2. The condition ++i gives a wrong answer for the bond by 1^{st} incrementing i before performing any calculation specified in the for loop.

3.2 Programming details

- The project is quite simple.
- \bullet Find one value of n such that the print statement inside the loop is executed.
- Here is the C++ code you must compile and execute.
- You must set the value of n in the program.

- Here is the Java code you must compile and execute.
- You must set the value of n in the program.

3.3 Submission details

- This is a final report, hence every student must submit a report.
- Please employ the following naming convention for your report (zip archive).

```
StudentId_first_last_CS370_Project3.zip
```

- \bullet The zip should contain a "cover" document (txt/pdf/docx).
- ullet The cover document should contain one value of n such that the print statement inside the loop is executed.
- It is my guess that your cover document will be very short.