CST 370 – Summer A 2020 Homework 0

Due: 04/27/2020 (Monday) (11:55 PM)

(This is for an exercise. No point for the homework.)

| Name: | Andrew Bell | | | | |
|-------------------------|--|------------------------|-------------------|------------------------------|-----------|
| Class ID: | 1138 | | | | |
| How to turn | <u>1 in?</u> | | | | |
| PDF file | our answer to the question 1 e. Do not submit a differer e top of your homework do | nt file format. | | - | • |
| • For the conthe iL | question 3, you should subn Learn. | nit either C+ + | or Java source fi | le (hw0_1.cpp or hw0_ | 1.java) |
| • So, you l | have to submit two files (or | ne PDF file an | d one C++ source | file) on the iLearn. | |
| | at the due is 11:55(PM). This a long delay between your | | 1. | , | nce there |
| | 0, there will be three exams our answer (= either true or | ` | | exam). (True/ False) | |
| 2. You can u CST370. | use eitherc++ or | java | programming la | anguage for your homew | ork in |
| | ++ (or Java) program called | | | at should read input data | from an |

| Key | Arguments | Explanation | Example |
|-----|-----------|------------------------------------|-------------------------------------|
| 1 | num1 num2 | Sum of two integer numbers. | 1 100 200 |
| | | | // Your program should read the two |
| | | | numbers (100 and 200). Then it |
| | | | should display 300 on the screen. |
| 2 | num1 num2 | Calculate the difference of | 2 15 25 |
| | | two integer numbers. | // Your program should display 10 |
| | | | // because the difference between |

Input format: The input data will be composed of a few lines, and each line will have a command key

and corresponding arguments. This is a list of command keys and their arguments.

| | | | // 15 and 25. // Note that the difference of two // numbers always zero or positive // number. |
|---|-------------|------|--|
| 9 | No argument | Quit | 9 |
| | | | // Your program should quit. |

In this homework, you can assume that all input data is valid. For example, you can always assume that there will be two valid integer arguments for the command key 1.

Sample Run 1: Assume that the user typed the following three lines

This is the correct output of your program.

3 -14

Sample Run 2: Assume that the user typed the following six lines

This is the correct output of your program.

HackerRank link: https://www.hackerrank.com/cst370-su20-hw0

Programming Steps for Homework Submission

The following is the instructor's recommendation for the homework programming,

Step 1: Read the homework description carefully

Before starting the programming, you should identify what the instructor wants. To get the requirement of the programming, read the homework description very carefully before starting the development.

Step 2: Develop your program

After getting the requirement of the homework, start development using your favorite software development tool. If you don't have one, you can use repl.it (https://repl.it/). While developing your program, you have to test it using the test cases provided in the homework description.

Step 3: Test at hackerrank.com

When you finish the development at your development tool, go to the HackerRank website to test all test cases for the assignment. In the case of question 3 of the homework 0, this is the HackerRank link:

https://www.hackerrank.com/cst370-su20-hw0

In the website, you can run your program and check if your program passes all test cases.

Step 4: Submit your code on the iLearn

After testing your program on hackerrank.com, submit your source code on the iLearn. In the source code, you have to include your code's hackerrank link. Also, you should include the head comment such as "Title", "Abstract", "ID", "Name", and "Date".

The following is a sample program in C++.

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