

**Northeastern Illinois University**  
**CS 200: Programming I**  
**Professor Yehuda Gutstein**  
**Homework**

**Please zip all HW files, including source files (.java) and results (.txt) for this week in ONE folder and submit on D2L.**

**HW is due prior to the start of the next class.**

**At the beginning of each .java file, please include (in comments):**

```
//CS200
//(insert here: Semester, Year)
//Student Name
//Instructor: Y. Gutstein
//HW #x: (Name of HW)
//Due: (insert due date here)
//File name: (Insert FileName).java
```

**HW #1: If-Else**

You need to create a phone menu prompt system for your fictitious company. There should be an intro phone message “Hello you have reached \_\_\_\_\_ Company...” (personalize this greeting for your company).

Then, set up a phone menu prompt for 4-6 departments, with unique greeting messages for each department once a customer chooses a department.

Ex:

```
Hello, you have reached Some Company.
Press 1 for Accounting.
Press 2 for HR.
Press 3 for IT.
Press 4 for Customer Service.
Press 5 to speak to the operator.
Your choice: 1

Good Day, you have reached the accounting department, and we
are very busy crunching numbers, please leave a message.
```

Also, make sure you verify customer input prompt value, and display an error message for all invalid entries. Remember: phone value entries can be 0-9.

Note:

Make sure your prompts & displayed outcomes will be to the screen and should be user friendly. Input is from the keyboard.

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**HW #2: If-Else**

Create an application that takes input the following as input from a user: the names of three (3) runners, and the time in minutes it took each of them to finish the race. The application should determine which runner came in first, second and third place. You may assume that there will be no tie scores. You must display the results to the screen for the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> place runners, including both their name and time.

Ex:

```
Enter the first runner's name: Amy
Enter the first runner's time in minutes: 3.25
Enter the second runner's name: John
Enter the second runner's time in minutes: 4.5
Enter the third runner's name: Bill
Enter the third runner's time in minutes: 2.15

Results:
First place: Bill - 2.15 minutes
Second place: Amy - 3.25 minutes
Third place: John - 4.5 minutes
```

Note:

Make sure your prompts & displayed outcomes will be to the screen and should be user friendly. Input is from the keyboard.