Lab 02: Getting to Know Everything
CSE-020-01, Fall 2019 **Points: 20**

Overview

This lab is meant to get you comfortable with everything we will be utilizing this semester, especially working with CatCourses and Eclipse. You will not be able to do all the tasks in this assignment on your own outside of lab time, so be sure to attend this week.

Part 1: Brainstorming, Discussion and Interview

Brainstorming – Create a Word document or text file named `Part1` containing answers to the following:

- What are the five questions you would ask someone in a job interview?
- Would it be different questions if they were your instructor or the TA?
- What about in a casual conversation with a classmate?

In-class Discussion in CatCourses – Navigate to Discussions tab in CatCourses and contribute one question to ask that is not already on the list as suggested by others in the class. If you do not have any original questions to contribute, you may answer any question on the list. After asking your question, answer 3 questions posted by others.

Interview (Getting to know one another!) – Now it is time to pair up and interview each other. If there is an odd number of students in your lab session, you may can create a group of 3 and interview in a rotation. Ask your interviewee questions to get to know them, including their name (of course), hometown, major and year of study.

Part 2: Getting Familiar with Eclipse

Starting Eclipse – Try to start Eclipse by memory so you don't have to rely on instructions every week or when you're working on your assignments at home. If you have forgotten, then refer to Lab 01 or ask your neighbor. However, it would really useful for you to understand the basic steps and remember them.

Create Another Class – Create a new project named **Lab20_2** with a class named `Interview` to print out the information about the person you interviewed. Recall how to create a project and a class from the first lab. Your program should generate the following output:

Sample Run:

```
Person interviewed:          Alice
Alice's hometown:            Merced
Alice's major:               Computer Science
Alice's class standing:      First year
This is the second CSE20 lab.
```

You must use 2 `print` and 2 `println` statements to create your output. You must also use the `\t` escape sequence to align student name, hometown, major and year of study, and the `\'` escape sequence for inserting the single quote in the second output line [cf. Section 2.14 of zyBook].

Importing a File – You will be getting more files for future labs so this part is important for you to figure out and remember. Download the file `ImportTest.java` from the Lab 02 assignment page in CatCourses into a convenient location, like your **Desktop**. You will now import this file into the Lab20_2 project you created earlier. To do this, execute the following steps:

1. In the **Package Explorer** window of Eclipse, right-click on the project name (Lab20_2) and select **Import**.

2. In the **Select** window that opens, expand the **General** drop-down menu, select **File System** and click **Next**.
3. In the **File system** window that opens click **Browse…** You will now see a list of files populate the right-side window below. Select the downloaded `ImportTest.java` file and click **Finish**.

This should import the file to the Lab20_2 project. You can view this file by expanding the following drop-down menus in the Package Explorer: Lab20_2 → src → (default package). You should now see `Interview.java` and `ImportTest.java`. Double click `ImportTest.java` to view in the editor. Now you can run the program to see the following output:

```
I imported this file successfully
```

You must demonstrate these steps again to the TA, so you may now delete the file by right-clicking on `ImportTest.java` in the Package Explorer and selecting **Delete**.

Note: another way to import `ImportTest.java` into Lab20_2 is by navigating to your eclipse workspace directory, then to the **Lab20_2** sub-directory, and then to the **src** sub-directory, and placing the `ImportTest.java` there. Now return to Eclipse, right-click on Lab20_2 in the **Package Explorer** window and select **Refresh**. This should bring up the `ImportTest.java` into the (default package) within Lab20_2.

Part 3: (Assessment) Logic Check

Create a Word document or text file named `Part3` that contains answers to the following:

1. What output will the following line produce?
```
// System.out.println("This is lab 2");
```
2. Is there a discernible output difference between the following two lines by themselves:
```
a. System.out.print("This is lab 2");
b. System.out.println("This is lab 2");
```
3. Any difficult topics for you in these two exercises? If so list them:
```
a. System.out.print("This is lab 2");
   System.out.println("This is the output");

b. System.out.println("This is lab 2");
   System.out.println("This is the output");
```

You are free to run these in Eclipse and figure out the difference. However, understanding WHY is more important than getting the right answer.

What to hand in

When you are done with this lab assignment, submit all your work through CatCourses.

Before you submit, make sure you have done the following:

- Attached the file named `Part1` containing answers to Brainstorming questions.
- Attached the `Interview.java`. that you created in Part 2.
- Attached the file named `Part3` containing answers to Assessment questions (1 – 3).
- Filled in your collaborator's name (if any) in the "Comments…" text-box at the submission page.

Also, remember to demonstrate your code to the TA or instructor before the end of the grace period.