

IT 2650

Assignment #1

**Due: February 1, 2017 11:59 pm**

Worth 30 points

There are 3 activities to be completed in Assignment #1:

1. Read Chapter 1 through 3 in the Farrell text. Complete the “You Do It” step-by-step exercises (the first of these is on page 22-23 under "You Do It") in each chapter, saving your files in separate folders named for each chapter (i.e. Chapter.01, Chapter.02, and Chapter.03). Include all three folders in a Zip file named with the first letter of your first name followed by your last name, followed by Assign1. For example if I were doing this assignment the Zip file would be named [jmaloneAssign1.zip](#).
2. Complete and submit Programming Exercise # 11 on page 116 of The Farrell text. Make sure you test your program with different values for minutes. The output from your program will look something like this at the command prompt:

Sample output follows:

```
Jane Doe IT 2650 Java Programming, Spr 2017, CRN 13906
Assignment #1, Chap 2 Exercise # 11, Due Feb 1, 2017

Enter minutes >> 6500
6500 minutes is 108.33333333333333 hours or 4.513888888888888
days.
```

3. Complete and submit Programming Exercise # 12 parts a and b on page 176 of The Farrell text. Your ShowStudent program will first instantiate a Student object, invoke the set methods to initialize the object's data fields and then display the values of the fields. Make sure you test your program with different values for points earned and hours earned. The output from your program will look something like this at the command prompt :

Sample output follows:

```
Jane Doe IT 2650 Java Programming, Spr 2017, CRN 13906
Assignment #1,Chap 3 Exercise # 12, Due Feb 1, 2017

Exercise 12 part b - The Values for the test student are:

ID number = 234

Credit hours Earned = 12
```

```
Grade Points Earned = 36
```

```
Grade Point Average = 3.0
```

In addition to the requirements stated in # 2 and # 3 above you should do the following:

- Your output should first display:
  - your name
  - the assignment number,
  - IT 2650 Java Programming,
  - CRN 13906,
  - the due date,
  - Spring 2017
  - the chapter and exercise number

In order to properly document your source code the same information should be [commented](#) at the beginning of the source files for both programs.

- The source file becomes an important part of the documentation for any program solution. Make sure you follow indentation guidelines as demonstrated in the text. The source files should be clear and easy to read. **Please read the syllabus about required comments to your program.** Place both source files from Exercise 11 chapter 2 and Exercise 12 chapter 3 in a folder named ChapExercises. Include this folder in the Zip file referred to in part 1 above.

Send the zip file to me via an attachment to email (make sure you include IT 2650 in the subject area of the email) before 11:59 pm of the Due date. **Late assignments will not be graded and will receive zero points.**

Failure to follow instructions for this assignment will result in deduction of points.

**IF you have any questions about the requirements of this assignment, contact the instructor by email [John.Malone@Tri-c.edu](mailto:John.Malone@Tri-c.edu) or phone 216-987-2458.**