

## CSC 220 – Lab 2

### Objective:

Write complete Java programs.

### Java programs:

1. Write a Java application `Convert.java` that converts miles to kilometers. (One mile equals 1.60935 kilometers). Use the command line argument to read the mile's value from the user as a floating point value.
2. Write a Java program `Calculate.java` that prompts for and uses scanner to read a value representing a number of seconds, and then print the equivalent amount of time as a combination of hours, minutes, and seconds. (For example, 9999 seconds is equivalent to 2 hours, 46 minutes, and 39 seconds).

### Compiling and running Java programs (reminder):

1. Open a terminal window. Use the `cd` command to change to the directory in which you saved your program.
2. Use the `javac` command to compile your program:  
`javac Convert.java`
3. If you don't get any errors, use the `java` command to run your program:  
`java Convert`
4. Repeat the steps for the second program.
5. JAR all your files, including `*.java` and `*.class` files into a file called `Lab2.jar`. When you're done, upload the JAR file to Canvas.
6. Submit the jar file using canvas. If you're not done before the end of the class, you have until the deadline to finish and upload your work to Canvas. No extensions.

### Note:

1. Add a comment to the beginning of each of your programs containing your name, the name of the course, and the title of the assignment:  

```
/*  
 * Programmer: your name  
 * Instructor: Dr. Tao  
 * Course: CSC220-03  
 * Lab1 Part1 etc.  
 */
```
2. Make sure you indent and comment your code based on the examples in the textbook.