**CSE1322 – Java Lab 6A – Exceptions**

**Lab 6A: Exceptions**

**Objectives**

To write a program that incorporates throwing an exception and exception handling. The program should recover from the exception.

**Problem Statement**

Write a program that converts a time from 24-hour notation to 12-hour notation. The following is a sample interaction between the user and the program:

**Enter time in 24-hour notation:** 13:07

**That is the same as:** 1:07 PM

**Again? (y/n):** y

**Enter time in 24-hour notation:** 10:15

**That is the same as** 10:15 AM

**Again?(y/n):** y

**Enter time in 24-hour notation:** 10:65

**There is no such time as: 10:65**

**Try Again**

**Enter time in 24-hour notation:** 16:05

**That is the same as:** 4:05 PM

**Again?(y/n):** n

Thank you – end of program.

Define an exception class called something like TimeFormatException. If the user enters the illegal time, like 10:65, or even gibberish, like &%\*68, your program should throw and handle a TimeFormatException.

**What to Turn In**

Follow submission guidelines on this page: <http://ccse.kennesaw.edu/fye/Submission%20Guidelines.php>