

CISC275 Exceptions

NOTE1: As you do this exercise, focus on **understanding** every piece of code you write. Copying code examples without understanding leads to ugly code and bad exam grades.

NOTE2: Today's exercise is disposable. Make everything public and do not write any methods you don't absolutely need.

1. Write in English a line about each that explains the difference between Java's Error, Exception, Throwable, and RuntimeException. Submit the .txt file on Canvas. (Do you understand what you wrote?)
2. Write a method f1(x) that throws a XisFiveException¹ if x is 5. Call f1(5) from f2(), and when the exception is thrown, have f2 recover by calling f1(x+1).
3. Briefly describe a more useful application of exception recovery than the one described in part 2.
4. Rewrite part 2 so that f2() still calls f1(5), but no longer has a try-catch block, and reflects the exception to main where it is caught and printed.

¹This is not a RuntimeException.