Pre-Class Reading

JUnit Part II — Advanced JUnit

Here is a list of materials you will need to read in preparation for the next lab period. Read everything carefully to make sure you understand the concepts presented here. There will be a quiz on this material at the beginning of class.

Readings

Expected Exception Tests

An overview of testing for exceptions
(You only need to read the JUnit 5 section)
https://www.baeldung.com/junit-assert-exception
NOTE- You will notice that the code for Exception testing looks something like

```
assertThrows(Exception.class, () -> {
        test();
}
```

The part of the code that looks like ' ( ) -> { //code } ' is called a lambda function. You do not need to know what a lambda function is or how it works, just know that this will be the template to use for exception testing in JUnit 5.

Parameterized Tests

Using parameterized tests to test multiple inputs to a single test
(You can stop reading when you reach "Argument Converters")
https://blog.codefx.org/libraries/junit-5-parameterized-tests/

Nesting and DisplayName Generators

Nesting and display names are one way we make it easy to understand what a test is for and how it is being implemented.
(Read Section 2.3 up to 2.3.2, you do not need to understand how the IndicativeSentences class is written)
https://junit.org/junit5/docs/current/user-guide/#writing-tests-display-names
(Read the entirety of this tutorial)
https://blog.stylingandroid.com/junit-5-nestedtests/