# String Explorer Lab

1. Open the StringExplorer.java starter file. You will see two different methods have been demonstrated: indexOf and toLowerCase.
2. Go to the [Java API](https://docs.oracle.com/javase/7/docs/api/) and search the String class for a list of methods.
3. Add examples of how to use the following methods to the StringExplorer.java file. (Write your code the same way that indexOf and toLowerCase are shown.)

* toUpperCase()
* substring(int start)
* substring(int start, int end)
* charAt(int index)
* compareTo(String)
* equals(String)
* equalsIgnoreCase(String)
* length()
* replace(char old, char new)
* trim()

1. Choose 3 additional methods in the String class and add them to your examples.
2. Add a line to test *indexOf* by checking for the word “slow” in the sample String provided.
3. Check out the API for the overloaded method for *indexOf(String str, int fromIndex)*. Add lines to your code that will allow us to find the index of the second occurrence of the word “the” in the sample String provided (assume the original String is all lowercase).

You should have a total of 15 method demonstrations to add to the StringExplorer.java file.

Once you are finished, submit the **StringExplorer.java** file.