

# CS410 INTRODUCTION TO COMP SCI APPLIC

## Assignment 11 – String Methods

### Problem

1. Download the unfinished Java program **StringMethods** from Canvas. Read through the code to familiarize yourself with what the program and its methods should do. All specifications for the program are in the file.
2. Complete the methods by filling in return types and parameters and method bodies following these rules:
  - Do not change anything in the **main**
  - Do not add any extra methods
  - The methods are to be written from scratch – you can only use the following methods from the **String** class (**str**, **str1**, **str2** are **Strings**)

<b>str.toUpperCase()</b>	returns <b>str</b> in uppercase
<b>str.toLowerCase()</b>	returns <b>str</b> in lowercase
<b>str.substring(a, b)</b>	returns substring of <b>str</b> starting at position a and ending at position b – 1
<b>str.charAt(i)</b>	returns the character at position i in <b>str</b>
<b>str.length()</b>	returns length of <b>str</b>
<b>str1.concat(str2)</b>	returns the concatenation of <b>str1</b> and <b>str2</b>
<b>String.valueOf(a)</b>	returns the String representation of primitive <b>a</b>

3. When dealing with the **shift** method you can change an **int** to a **char** (and vice versa) using casting

### Turning in the Assignment

1. When you have finished, run your program twice using the exact test data below

Run 1: Eric and Zoe, how many \*'s are there in \*\*\*?

Run 2: My shy gypsy.
2. Upload screenshots/images, **StringMethods.java** and **StringMethods.class** files to Canavs.

**Due Date: start of class on 4/7**