

## Lab2 - CIT255

### Goals

The primary goal of this lab is the handling of strings in the context of a static non-OO program. You will create a class called *TextHandler* which will manipulate text in a number of different ways.

### General Specifications

In this exercise, you will ask a user for an input string of text with no (reasonable) limits. The program will present a interface asking the user for a string of text. The user will then get asked what operations they want to perform on that text. At the end of each operation, the user will be asked if they want to perform another operation on the existing text or enter a new text string on which to handle. You must also prompt the user if they want to continue to enter text or quit and do something more interesting.

### Method Specifications

Your class must have, at a minimum, the following *static* methods:

1. *palindrome* - determines if the text is a palindrome and returns a boolean value either way. Takes a String as parameter and returns a boolean.
2. *findAllPalindromes* - find if there are any palindromes anywhere in the text string. Takes a String as a parameter, Returns each palindrome, as a String, if there are any.
3. *searchText* - takes a (search) String as input and searches the text to find an the number of occurrences of the search string and returns an int as an index.
4. *removeText* - takes a String as input and removes all occurrences of it from the current text.
5. *addText* - takes an int index to show where to add the text and a String to add to the existing text.
6. *reverseText* - reverses the current text.
7. *reverseEachWord* - reverses each word in the current text, but the words remain in the original order.
8. *printText* - prints the text after each operation.

### Output

After each operation, the output must show the result of the operation on the submitted text String.

## Submission

Complete the checkoff in lab and submit the project file(s) to Blackboard by the required date and time.