

## CSC 131 - Computational Thinking

### Lab 9

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Write Python program with the following functions:

- A recursive function called **stutter** that returns a string with each character in its argument repeated. For example, if the string passed to stutter is "abc", stutter will return the string "aabbcc".
- A recursive function called **toNumber** that returns the integer sum of all digit characters in a string. For example, the result of toNumber("ab3c7d1") would be 11. Assume that the length of any empty string is 0. (Hint: you may use the method **isdigit()** to check whether or not a character is a digit.)

Add a main function to test your code.

Name your file lab9.py. Make sure to include your name and the name of your TRACE folder at the top of the file in a docstring. When you are done, demonstrate your code to the instructor and upload an electronic copy of your solution in your CSC131 upload folder in a folder called LABS\lab9.