

COMP161 - Lab 8

Spring 2015

In this lab you'll work on recursive and iterative procedures for strings.

Remove Letters

For this lab you'll work on the functional problem of removing all the letters from a string: *given a string compute the string that contains all the non-letter characters in that string*. Begin by setting up the documentation, stubs, and tests for *two* versions of this procedure: one iterative and one recursion. To make them distinct, put them in different namespaces¹. Both the iterative, loop-based version, and the recursive version must be **completed by class on Friday**. Submit your solutions as *lab8* via the handin program.

¹ You've seen me do this in a lot of code

Practice Problems

The following problems are good practice problems for developing your recursive and iterative problem solving skills.

- Count Vowels
- Remove everything but digits
- Shift letters up so that A becomes B, B becomes C, etc. The letter Z should wrap around to A.