

CS2110 Spring 2015 Assignment A2 String manipulation

Introduction

Last Spring, we asked the 2110 students in the first few weeks to become familiar with Java Strings, if-statements, loops, etc. Many students did not take this seriously, and seven weeks later, we found that many were still very shaky with these features. We had to introduce a new assignment in order to give them practice with these basic features—they wanted the assignment. We don't want this to happen again, so we give this little assignment now.

Learning objectives

- Gain familiarity with String methods, if-statements, assignment, functions, and begin learning about Java loops.

Collaboration policy

You may do this assignment with one other person. If you are going to work together, then, as soon as possible—and certainly before you submit the assignment— get on the CMS for the course and do what is required to form a group. Both people must do something before the group is formed: one proposes, the other accepts. If you need help with the CMS, visit www.cs.cornell.edu/Projects/CMS/userdoc/.

If you do this assignment with another person, *you must work together*. It is against the rules for one person to do some programming on this assignment without the other person sitting nearby and helping. You should take turns “driving”—using the keyboard and mouse.

Academic Integrity

With the exception of your CMS-registered partner, you may not look at anyone else's code, in any form, or show your code to anyone else, in any form. You may not show or give your code to another person in the class.

Getting help

If you don't know where to start, if you don't understand testing, if you are lost, etc., please SEE SOMEONE IMMEDIATELY—a course instructor, a TA, a consultant, the Piazza for the course. Do not wait. A little in-person help can do wonders.

What to do

File A2.java, on the course website on the assignments page, contains 6-7 functions for you to write. Instructions are given at the top of that file and also within the body of each function, as comments. Complete the functions and submit completed file A2.java on the CMS by the end of the due date given at the top this page and on the CMS.

Your grade will depend only on the correctness of the functions, determined by running some test cases on each function. It may be the case that a function is either correct or incorrect, and you may receive 0 if it is incorrect. So test carefully and exhaustively.

Your best bet to get all functions correct is to use a JUnit test case class, as you did for A1, testing each function thoroughly, as you write it. However, you do not have to hand in this class. We want only A2.java.