Introduction to Computer Science II
Lab 2
Parsing an integer

1 Converting a `String` to an `int`

Imagine that you are given the following `String`: `"712"`

Note first that the quotation marks are not part of the string itself—they are merely an indicator that you are looking at a *string of characters*. Specifically, here, you are looking at the sequence of characters `'7'`, `'1'`, and `'2'`. That is, of course, different from the *integer* 712, on which you could perform arithmetic.

Your goal for this lab will be to write a method that can convert such a string into its corresponding integer value. That is, your method must *parse* the string.

2 Getting started

Login to the computer on which you will do your work (for many of you, `remus/romulus` via Remote Desktop). You can then grab the a source code file that will get you started via one of these two methods:

1. **On the servers via Remote Desktop:** In a shell, use the following file copy command:

   ```
   $ cp ~sfkaplan/public/COSC-112/lab-2/Squarer.java .
   ```

2. **Via a web browser:** The following link also leads to the source code:
   `https://sfkaplan.people.amherst.edu/courses/2017/spring/COSC-112/assignments/lab-2/`

3 Your assignment

Find the method, `convert()`, in which the comment says, `// WRITE ME`. Do that.

4 How to submit your work

Submit your `Squarer.java` file. You may use either of the following two methods to use the CS submission system:

- **Web-based:** Visit the submission system web page. If you did your work on your own computer, open this link in your computer's browser; if you did your work on `remus/romulus`, then open this link in a browser opened within *remote desktop*.
- **Command-line based:** Use the `cssubmit` command at your shell prompt. This command works only while connected to `remus/romulus`.

This assignment is due on Sunday, Feb-05, 11:59 pm.