READ THIS FIRST:

Do your best to do every item on your own; if you cannot immediately do an item, go on to others and then come back to it later. Please check the resources section if you have any problems and talk with your professor if there are any further questions.

Due: Thursday, October 6, 2016.

Goals:

- Practice getting around the command line compiling and running Java programs.
- Practice getting around in and using GitHub.
- Explain some key concepts about arrays that we covered in class.
- Work hard to get lab points.

Instructions:

1. *Programming.* From your textbook (Liang), write Java programs that solve the following problems using arrays:

   - Problem 7.18
   - Problem 7.20
   - Problem 7.31
   - Problem 7.32

   Using what you learned about multidimensional arrays to create a Java program that solves the following problem, using multidimensional arrays of course:

   - Problem 8.13

   Make sure you follow the style guidelines `http://www.reev.us/cmpt220f16/style.html` that were given for this course.

Resources:

- Your textbook (Liang)!
- Project submission guidelines for this course: `www.reev.us/cmpt220f16/project_submission.html`
- Coding style guidelines for this course: `www.reev.us/cmpt220f16/style.html`
- "How to" use the command line "shell": `www.reev.us/cmpt220f16/shell.html`
- The official Java reference: `http://docs.oracle.com/javase/tutorial/collections/TOC.html`
- Stack Overflow Java Tag: `http://stackoverflow.com/questions/tagged/java`

Submission:

- Push your work to your GitHub repository before the due date (see the top of this document). Remember to include your name, the date, and the assignment in the (copious, meaningful, and accurate) commit messages. Then **double check your files are on GitHub** and finally sit back and pat yourself in the back, you did very good!
- Make sure all your programs (*.java) are in a folder called `labs/5/` inside your repository folder.