CSC 204 - Lab 1:
Getting Started with Google Drive and Jeroo

For many of these labs, you can just work through the steps and get an answer and get the points, but please, take the time to understand what you are doing and why you are doing it. These labs attempt to illustrate many concepts that you are expected to understand on programming assignments, and tests.

During lab sections, you may work with others. Please be sure you work with them and understand what's going on instead of just copying answers!

Grading for the lab will be based on completion of the lab. Labs are graded pass/fail, or all or nothing. You will get credit for each lab that you attempt and satisfactorily complete a significant threshold of the work. Since we have 15 labs, and collectively they count 15% of your course grade, each lab is worth 1% of your course grade.

Goals:

After this lab you should be able to
- create files in your Google Drive
- copy files to your Google Drive
- create worlds in Jeroo

A Word About Exactness

Computers, especially when you program them, typically look for things to be spelled in just one way, including case. If you want to compute the square root of a number in Java, the function is called `sqrt` . If you use `SQRT` or `squareRoot` or `Sqrt` or any other variation, it won't work. You will need to be exact in your naming of things. Please be careful to use the exact names asked for in the exercises throughout the semester.

(When someone has a task to do, like collect files from 30 different folders, it makes a lot of sense to create an automated way to do this. Scripting is a special form of programming that is often used for simple, repetitive tasks like this. If you're interested in scripting, the CS Department offers a Scripting class and the GDG chapter often has meetings that are devoted to scripting. There are also some great on-line tutorials. Feel free to ask your instructor about these.)

Lab Setup:

If you are unable to log onto your PC account, you will need to talk with Jesse Sowell, our departmental technician. Please work with him to get set up.

Logging off

Yes, logging off is the last thing you should do, but it's included here first so you don't forget. To log off, you can go to the Start screen, click your name at the upper right, and then select "Sign Out".

If the person before you has not logged off, please log them off to begin.

Google Drive Setup

We will use Google Drive to turn in your work. This storage is available to anyone with a Gmail address. So, you will need a Gmail address in this class. If you already have one, great! If not, please go to gmail.com and sign up now.

Do It

You *could* share all of your assignments with me individually so I can grade them, but this is a bit more difficult than it needs to be. Instead, create a Google folder named:

"*LastName, FirstName* coursework for CSC 204*"*

(substituting your name in the appropriate place) and share it with your teacher's Gmail account (robertarthurallen@gmail.com), allowing "Edit" permissions. Now your teacher can access anything you put in the folder and add comments to your files.

Do More

Create a Google document named "About Me" and place it in your newly shared folder . (Unless otherwise indicated, when there is a space in a name, there is just one space.) To do this, navigate to your new shared Google Drive folder, click the blue "New" button in the upper left corner, and select "Google Docs". Name this new doc "About Me".

Copy the questions below into your document (highlight the text you want to copy, use control-C to copy the text, and then control-V to paste the text--ask if you need help copying them). Add your name and answers to the questions. You'll need at most a couple of sentences each, unless you want to add more. Give your answers a different font/color/size from the questions.
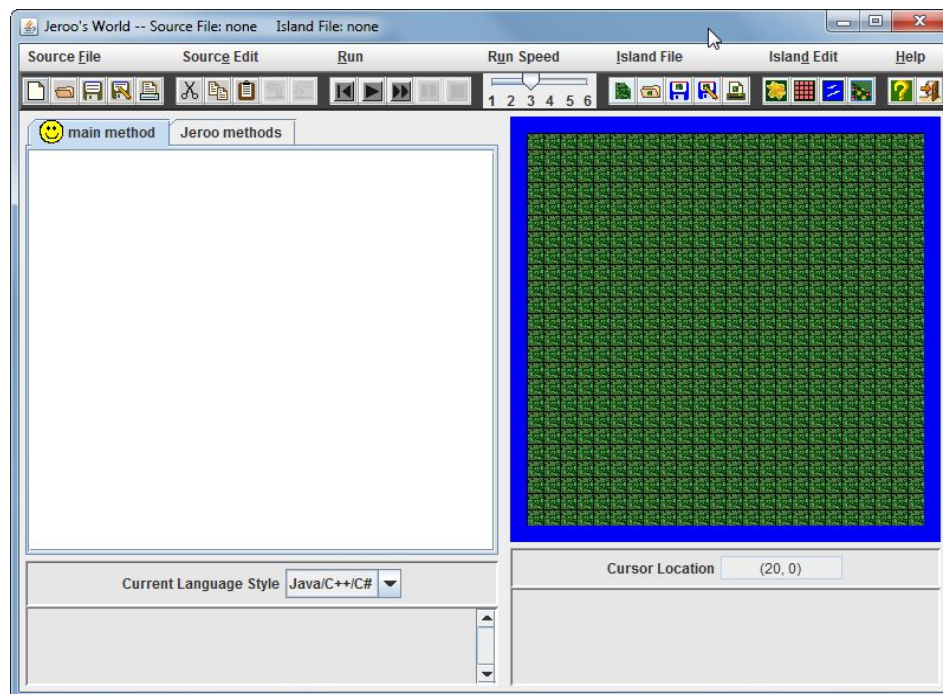
But Why Google Drive?

Anywhere you are on the Internet, you can access Google Drive. If you're working in the lab or the dorms or a coffee house or even an airplane, you'll be able to turn in your work. You will need to remember to copy assignment files to your shared folder. Additionally, you can get software that will automatically synchronize your personal computer and your Google Drive.

Starting Jeroo

We'll start this course writing programs using the Jeroo system. But before we can write Jeroo programs, we'll need to create a world for your Jeroos. For this lab, all you'll need to do is create a Jeroo world.

You can open Jeroo using the Jeroo icon in the Shortcuts folder on the desktop of the lab computers. You should get a screen that looks like:

We'll use the windows on the left hand side to write Jeroo programs. The green area on the right is used to create worlds.

The Island Edit menu (on the right side) will allow you to add flowers, nets, and water to the world. You can also use the icons below the menu as a shortcut. To add multiple items at one time, hold down the left mouse button and move the mouse. To remove items, hold down the right button and click. To restart, use the Island Clear option.

Create an attractive Island using flowers, nets and water. Save this using the Save As option in the Island File menu. Give your world the name `Lab1.jev` and put it somewhere in your Orion Folder. When you are finished creating your island, upload a copy to your shared Google folder. The easiest way to upload your jev file is to:

- Go to your Google Drive
- Open your shared folder (the folder shared with your teacher)
- Click the blue New button, select "File Upload", and browse to your jev file.

Deliverables:

Lab work is due by class time on Monday. Since you are placing all of your work in your shared Google drive, the teacher can find your work and see that you have completed the lab. Make sure to have the following files on your Google Drive:

- `Lab1.jev`
- `About Me`

One More Note

You should not edit or remove any files you've saved for grading until you receive the grade for the assignment. The date of the file will serve as the time you've turned in the assignment.

If you want to use the file for any reason, you can copy the file and edit the new file. Test1