CS061 - Lab 01

Setting up

1 High Level Description

Today all we will do is get you set up with all the systems you'll need for programming the LC-3 and submitting your assignments.

2 Objectives for This Week

1. If necessary, set up an SSH client for your laptop, and access your cs account
2. Set up a GitHub account and linking to a GitHub classroom assignment
3. Do a sample assignment within your cs account and submit it to GitHub

3 SSH client

*You are required to bring your laptop to all labs in this class: see the **BCOE laptop policy***
*Note that netbooks and Chromebooks and tablets do **NOT** meet the requirements!!*

Follow this guide for setting up an SSH client with Window forwarding on Windows or Mac OS
(Ubuntu or other linux-based OS's - just open a terminal, and `ssh -X`*)*

4 GitHub and GitHub Classroom

All your assignment and lab specs will be set up in GitHub Classroom, with links to them in a Piazza post - read the **Guide to GitHub** for full details. Study it carefully - you need to master this!
If you don't already have one, sign up ***now*** for a **free GitHub account**.
Now tell us **your GitHub username** *(we can't give you credit for your assignments until you do!)*

5 Finally! The actual Lab 1 instructions!

- Once you have read the GitHub guide, go to Piazza, open the post "GitHub Classroom Lab and Assignment Links" (pinned to the top), and click on the GitHub Lab 1 link.
  Clicking on "Accept this assignment" will set up your private GitHub repo for Lab 1, which you can now clone to a local git repo in your CS account, as described in the guide.
  (Your local git repo will be called `lab-1-<your github username>/`*)*

- From within your CS account, cd into the local repo you just created and do the exercise *(write a C++ "Hello World" program using the cpp skeleton file in the repo)*.
  Then git pull, add, commit, and push it back up to your GitHub repo, as described in the guide.

- Now show the newly updated GitHub repo to your TA, and you'll be on your way :)