

Hack 1.0

Computer Science I

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Introduction

Hack session activities are small weekly programming assignments intended to get you started on full programming assignments. Collaboration is allowed and, in fact, *highly encouraged*. You may start on the activity before your hack session, but during the hack session you must either be actively working on this activity or *helping others* work on the activity. You are graded using the same rubric as assignments so documentation, style, design and correctness are all important. This activity is **due at 23:59:59 on the Friday** in the week in which it is assigned according to the CSE system clock.

Problem Statement

This activity will help you get started using git, a distributed version control system. In particular, you'll be using GitHub, <https://github.com/> as your git system. Before you begin, you will need to create an account on GitHub and read the course tutorial on getting started with git:

<http://cse.unl.edu/~cbourke/gitTutorial.pdf>.

Alternatively, there are several resources provided below. We recommend that you install and use the GitHub Desktop Client for this course: <https://desktop.github.com/>.

To get started using Git/GitHub, you will create a basic repository from scratch, push it to GitHub and then collaborate with at least one other partner to share changes.

To keep things simple, your project will be a simple “Hello World” style program but instead of printing “Hello World”, it will print your name and major. Once you have created this simple project, push it to GitHub. Then have your partner clone it and add

their own name to the program (so that it prints both of your names). Then add them as a collaborator so they can push their changes to your repository. Alternatively, you can have them make a pull request and pull their changes to your repository. You will both need to repeat this exercise so that you both have repositories in your GitHub profile.

You are *highly encouraged* to start using git/GitHub (or something similar) for all of your future assignments but be sure to commit code to a *private* repository so that you do not violate the department's academic integrity policy. For this exercise, however, keep your repositories public so that we can grade you (you are being graded on the process, not the code itself).

Instructions

- You are encouraged to collaborate any number of students before, during, and after your scheduled hack session.
- Put your GitHub URL into a plain text file named `readme.md`. Include the name(s) of everyone who worked together on this activity as well. Turn this file in using webhandin. Each individual student will need to hand in their own copy and will receive their own individual grade.

Additional Resources

- GitHub Desktop Client: <https://desktop.github.com/>
- Video tutorial on Github Desktop: <https://www.youtube.com/watch?v=kFix7UDJ7LA>
- Interactive git tutorial: <https://try.github.io/levels/1/challenges/1>
- Pro Git, free online book: <https://git-scm.com/book/en/v2>
- Documentation on Github Desktop: <https://help.github.com/desktop/guides/getting-started-with-github-desktop/>