Week 1: Problem 1 Henry

**Introduction**

The problem that this is trying to fix is that a user does not know how to download and install Github, as well as they do not know some central concepts to github.

1. Version control is a feature that lets the user go through previous iterations of code. With Github, a user can easily explore changes they have made, whether it be for seeing the progress that has been made, or if something breaks, they can look at a previous working version of the code.
2. A repository is a storage space that allows a user to access a project, and all versions of the project that have been saved. This is incredible useful as a student as it allows easy access to all of the previous versions of a project, as well as allowing to be shared for feedback between students and/or instructors.
3. A branch is an isolated part of the repository. It allows a user to work independently on one branch without affecting the other branches of the repository. This is useful to a student predominantly for debugging and experimenting with new ideas.
4. A. Open a web browser of choice.

B. Go to <https://desktop.github.com/>

C. Click Download for Windows (or macOS if that is the operating system being used.)

D. Save the file to the path C:\Program Files (The path may be changed based on preference)

E. Go to the path that the setup has been downloaded to

F. Double click on GitHubDesktopSetup

G. When the program finishes installing, click sign up.

H. Fill out the sign-up form.

I. Verify the email-address used.

J. Enter username or email, and password into the Github client

H. Press CTRL+N to make a new repository

I. Press CTRL+P to push the repository online

## If there are any questions or concerns, please contact me at [ihenry7544@student.cgcc.edu](https://web3.cgcc.cc.or.us/StudentResources/GApps/)