

CD-1 Git Lab Level 1

Objectives

1. In this lab students will practice using the following git commands: `init` , `clone` , `status` , `add` , and `commit` .
2. At the end of this lab students should be comfortable making simple changes to files in a git repository.

Overview

You have already learned about the basic commands in git and how to use them. Here is a brief summary of those commands:

- `git init` -- initialize a new git repository in the current directory
- `git clone` -- create a local copy of a git repository located somewhere else (called a remote repository)
- `git status` -- display the current status of the git repository, including files that have been changed or that are not tracked in git yet
- `git add` -- stage the selected file(s) to be added the git repository
- `git commit` -- commit staged changes to your local repository

Unit Test

For this lab your submission to GitHub will be checked to confirm that you changed one file by adding your user name to it.

Instructions

In this lab you will practice using the basic git commands listed above. In part one you will create a new git repository and add a file to it. In part two you will clone a remote repository, change a file, and submit your changes.

Part 1

- Create a new directory called "GitLab01" and navigate to it in your terminal.
- In GitLab01, create another new directory called myRepo

- In MyRepo, initialize a new git repository
- Create a new file and add it to the repository you just initialized Hint, you can create files in terminal with

```
touch myfile
```
- Check the status of your repo to confirm that it is up to date with no pending changes

Part 2

- Navigate back to GitLab01 in your terminal
- Clone [this GitHub repository](#)
- Change into the new directory that you just cloned and create a file containing your GitHub user name; the file name should be your name.
- add and commit the file you changed, then try to push your changes to the repository you cloned from (you will find that you don't have permission to push to the repository).

Links

- "this GitHub repository" - <https://github.com/Zipcoder/gh-user-names.git>