

# asgn04: Learning Version Control with Git and GitHub

## Objectives

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- Learn practical version control using git
- Use the Git BASH (Windows) and the Terminal (Mac)
- Work with Git on your local computer
- Push code to GitHub
- Clone code from GitHub

## Assignment

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Version control is an essential tool for all programmers. We will use Git for the remainder of the term and all of WEB 250.

- Work through all of [Git Essential Training](#) video tutorials by Barbara Forbes from LinkedIn Learning.
- Complete the quizzes.
- Download and submit the certificate when finished.

NOTE: We will use Git and GitHub for the remainder of the term and all of WEB 250.

## What to turn in

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Name the certificate, lastName-firstName-git-cert.png (or .jpg) and submit it in Moodle.

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## Some Common Linux Commands

### Mac

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Go to your root directory

```
cd /
```

## Windows

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Go to your root directory

```
cd c:/
```

## Linux (both Mac and Win)

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Change directories

```
cd
```

Go up one directory level

```
cd ..
```

Create a new directory

```
mkdir directoryName
```

Move into the directory

```
cd directoryName
```

Display your current working directory

```
pwd
```

List the contents of the current directory

```
ls
```

List the contents of the current directory. Show them in long format and show all of the attributes (hidden files – hidden files begin with a period)

```
ls -la
```

## Some Common Git Commands

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These command are used just once when you are setting up git

```
git config --global user.email "youremail.com"
```

```
git config --global user.name "your name"
```

Initialize the current directory so it is ready for version control

```
git init
```

Add all of the files to the staging area. The dot means all files

```
git add .
```

Add one file to the staging area.

```
git add fileName
```

Shows you the current status of git and the files it is tracking

```
git status
```

Add a message to your commit

```
git commit -m "some message"
```

Shows all the commits you have made

```
git log
```