Getting Git

Version Control

- ## What is it?
  - A place where your team keeps its code
  - A version of each change is kept for historical purposes

- ## Why do you care?
  - So you don't lose anything
  - Back out changes "easily"
  - BLAME PEOPLE

git config

<u>Who are you?</u>

```
$ git config --global user.name "Freddy Fingers"
$ git config --global user.email "freddy@teamsters.com"
```

<u>Line Endings</u>

Mac/Linux

```
$ git config --global core.autocrlf input
$ git config --global core.safecrlf true
```

Windows

```
$ git config --global core.autocrlf true
$ git config --global core.safecrlf true
```

gitting a repo

Creating a new one

```
$ git init fizzbuzz
$ git init
```

Cloning an existing one

```
$ git clone ~fizzbuzz_god/fizzbuzz
$ git clone ~fizzbuzz_god/fizzbuzz .
$ git clone ~fizzbuzz_god/fizzbuzz ~otherUser/fizzy
```

Changing Code!

Adding things!
```
$ git add somefile.java
$ git add .
```


Getting rid of things
```
$ git rm some_other_file.java
```


Moving Stuff
```
$ git mv old_name.java new_name.java
```

Committing Code!

Making things permanent

```
$ git commit -m "I did all the things"
```

Pushing and Pulling

Pushing code

```
$ git push
$ git push origin master
```

Updating your code

```
$ git pull
$ git pull origin master
```

GitHub != Git

GitHub is free hosting for git repos

Git is just software.

Using GitHub

- Create an account
- Clone repos that you want to contribute to.

`$ git clone git@github.com:guyroyse/java-class.git`