Introduction to Git

Part 1

Installation

The Flow

A file in your project goes through 3 main stages.

Untracked

Staging

Committing

Initializing Git

To start using Git in your project, you have to initialize it.

```
git init
```

Untracked

All files in your project are untracked the first time you initialize Git.

```
//after initializing Git in your project, you can
run the command below to check all untracked
files

git status
```

Stagging

At this stage, you select the changes you want to save as a "version".

```
//run the command below to stage all files
git add .
//or
git add *


//run the command below to stage a specific file
git add <filename_here>
```

Committing

This is the stage where you save your changes as a "version". All changes are saved with a short description about the change. This short description is called the **commit message.**

```
//run the command below to commit all staged files

git commit -m "your short message here"
```

Now let's practise Git

EXERCISE 1: INSTRUCTIONS

1. Create a new Folder and name it git-*practice*
2. Create 2 new files and save them as *index.html* and *index.css* (make sure it's saved in the git-practice folder you created)
3. Open the *git-practice* folder in the **terminal / command prompt**
4. Initialize git
5. Stage the files you just created
6. Commit the changes you made
7. Add some html code in your *index.html* file
8. Add some css code in your *index.css* file
9. Stage the changes you just made
10. Commit the changes

EXERCISE 2: INSTRUCTIONS

1. Initialize Git in your bootstrap calculator project
2. Stage and commit your changes
3. Repeat the process for all your html, css and bootstrap projects

Thanks!

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