

# HTML & CSS

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## 1 Terminal Essentials

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### 1.1 Basic Commands

- pwd: Print working directory
- ls: list
- ls -la : list list all - shows more detail
- clear: clear current terminal
- cat: Prints out the contents of a file into the terminal
- mkdir dir-name: makes a new directory with the name as the string supplied after 'mkdir' within the current directory
- rm file-name: remove directory
- rm -rf dir-name: remove directory recursively (until complete)
- touch txt-file-name: creates new blank txt file with file name specified
- open file-name: opens the file specified

### 1.2 Git

- git init: creates an empty git repo within current dir
- git status: Gives info on what files haven't been added
- git add
  - dir-name: adds only that dir to the staging index
  - . : add everything below current dir that's changed
  - -all : adds all files below and above the current dir

- git commit
  - -m "commit-message": commits everything in the staging index along with a commit message.
- git remote add origin : connects the local repo to the cloud
- git push -u origin master : : pushes to the master
- git push: pushes to remote git 'origin/master' (on github)

## 2 Key Board Shortcuts

- 'cmnd + / ' comment current line
- 'p{TEXT\_HERE} + tab' creates p tag with text here as text
- 'lorem' creates some lorem text
- 'control + space' when in element "" to bring up options of possible selections
- 'option + click' to select curser on multiple lines

## 3 HTML Essentials

### 3.1 File Naming conventions

- all html files end with the extension '.html'
- all css style sheets end with the extension '.css'
- home/default/main page should be called 'index.html'
- style sheet for main page should be called 'main.css'
- only use lower case alphanumeric characters (a-z, 0-9)
- no spaces

### 3.2 Folder Naming Conventions

- only use lower case alphanumeric characters (a-z, 0-9)
- no spaces
- follow seperation of cencerns

### 3.3 Emmet.io

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- 'lorem' creates some lorem text

### 3.4 Tag Attributes

To link a CSS Style sheet to html page:

```
1 | <link rel="stylesheet" href="main.css">
```

Add a picture:

```
1 | 
```

Link to other page

```
1 | <a href="http://www.google.com" target="_blank">go to  
   google</a>
```

### 3.5 Absolute vs Relative URLs

#### Absolute

- Full URL
- Examples:

```
'img src="https://pbs.twimg.com/media/DLUDtXlX0AEiCnG.jpg" ;'
```

#### Relative

- Within one domain, shows where one resource is relative to another
- Examples:

```
pic/anatomy-of-an-html-element.png
```

```
../pic/anatomy-of-an-html-element.png (goes up one level first by using '..')')
```