

# Coding & Cocktails Session 6 Worksheet

## Overview

During the session we'll cover Command Line basics. We'll put those to use here getting comfortable with interacting with the filesystem in a text based way!



## Prep Work (pairs nicely with a glass of wine)

1. Command Line Tools:
  - a. Mac: iTerm2 (<https://www.iterm2.com/>) + oh-my-zsh (<https://github.com/robbyrussell/oh-my-zsh#basic-installation>)
  - b. Windows: Install Git (<https://git-scm.com/downloads>) to utilize Git Bash
2. Sign up for our slack chat group at [kcowit.slack.com](https://kcowit.slack.com) (make sure to join the #codingandcocktails channel to keep in touch with all of your KCWiT girlfriends - if you didn't receive an invitation let us know!)

## Exercises

Let's have some practice working with the filesystem so you can feel more confident coding on your own!

1. Navigate to your home directory (hint: check the cheat sheet for the home directory shortcut)
2. Check to see if you have a CodingAndCocktails directory created
3. Change into the CodingAndCocktails directory
4. Create a file called that contains 10 lines of text - perhaps ten types of Valentine's candy??
5. Display the first 3 lines of the file
6. Display the last 3 lines of the file
7. Check the size of the file
8. Check the wordcount of the file
9. Search the file for a particular word or part of a word.
10. Create another file without any content
11. Rename that file using the mv command
12. Remove that file from the directory

## Personal Page

Once you feel like you've had enough practice in the command line feel free to get back to your personal website project we started last month. If you didn't get to join us last month view our HTML & CSS presentation at <http://kansascitywomenintechology.github.io/IntroToHTMLAndCSS/#/>. Check out our developer tool guide here (<http://codingandcocktails.kcwomenintech.org/sessions#tools>) for all the tools to make your developer life easier!

1. Create a folder/directory in your CodingAndCocktails directory to house your project in
2. Open the folder in Sublime Text then create and save a new file as index.html
3. Set up your basic HTML page syntax and set your page title (hint: use the emmet plugin here and all you have to type is html:5 then hit the tab key)
4. Some ideas to include in your page:
  - a. Put your name at the top in an h1 tag
  - b. Add a paragraph telling a little bit about yourself
  - c. Add a brief paragraph about where you want to go next as a professional
  - d. Add a list of your favorite links
  - e. Add your contact information, link to your linkedin profile, github repositories or twitter page.

- f. Add a “currently” section to list what you are currently reading, learning and/or listening to
5. Create an index.css page
6. Link to your index.css page in your index.html page
7. Start adding styles to your page!
  - a. change your background color
  - b. change the text styles
8. BONUS: Store your code on github - feel free to ask mentors for help in getting this working for you!
9. **ALTERNATE MISSION:** Work through the HTML & CSS course on codecademy
10. Ask as many questions as you can think of - there are no stupid questions and we’ve all probably had the same questions when we were getting started!

## Homework

Work through the Command Line course on codecademy.

1. <https://www.codecademy.com/learn/learn-the-command-line>

# Command Line Cheat Sheet

## Shortcuts

Current Directory:	.
Parent Directory:	..
Home Directory:	~
Root Directory:	/
History:	history
Previous Command:	!!
Previous Command:	↑
Don't forget about tab completion!	
Stdin:	<
Stdout (redirect):	>
Stdout (append):	>>
Stderr	
Pipe:	

## Command Reference

Change Directory:	cd directoryname
Print Working Directory:	pwd
List Directory Contents:	ls
Make Directory:	mkdir directoryname
Create Empty File:	touch filename
Write content to file:	echo "content" > filename
Copy File:	cp sourcefile destfile
Move/Rename File:	mv sourcefile destfile
Remove File:	rm filename
Grep (aka search)	grep searchterm filename
Get out of "stuck" command	ctrl-c