



Demo #01: Screen Capture and Command-Line (January)

Link to [Hand-in Template](#)

(Estimated time 30 minutes)

Learning Objectives

This week, we review and ramp up with some basics:

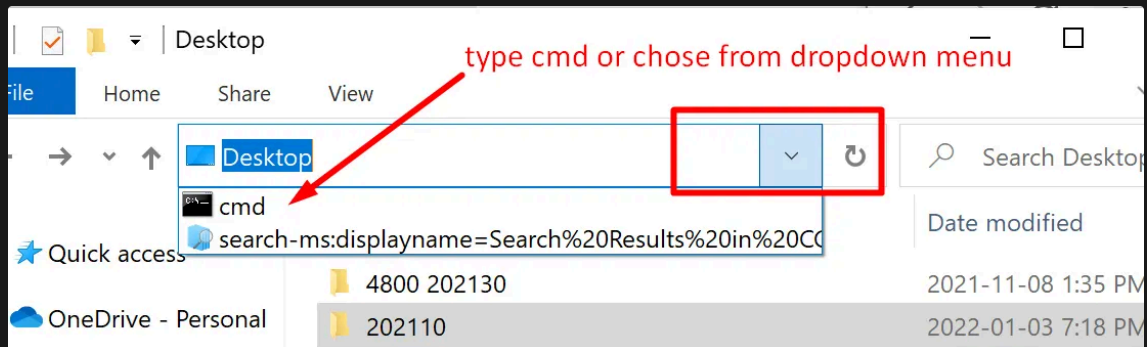
- How to take a screen capture? [Review Screen Capture Basics \(read this before the Lecture\)](#)
- Basics of the command line. [Command-Line Basics](#)
- Do a small Coding Exercise / Demo together

▼ Part One: Warm-up exercises (please follow along during Lecture)

Here are some warm-up exercises.

▼ How do I open the command-line window in a specific folder?

In Windows, open the folder you wish to access. Then type `cmd` into the folder path at the top of the window to open a command prompt within the folder, or click on the dropdown menu to chose "cmd".



On a Mac, you can do this: Right click on folder, select "New Terminal at Folder". That's it!

- Make a new folder
- Change directory
- List the contents of a directory
- Create an empty text file
- Add some text to a text file
- Display the content of the text file

▼ Answers

1. Make a New Folder

- macOS: `mkdir newfolder`
- Windows: `mkdir newfolder`

2. Change Directory

- macOS: `cd newfolder`
- Windows: `cd newfolder`

3. List the Contents of a Directory

- macOS: `ls`
- Windows: `dir`

4. Create an Empty Text File

- macOS: `touch textfile.txt`
- Windows: `type nul > textfile.txt`

5. Add Some Text to a Text File

- macOS: `echo "Some text" > textfile.txt`
- Windows: `echo Some text > textfile.txt`

6. Display the Content of the Text File

- macOS: `cat textfile.txt` OR `more file.txt`
- Windows: `type textfile.txt`

▼ Part Two: Coding Exercise (please follow along during the Lecture)

Let's create something useful!

1. Navigate to a good working location on your computer. It can be on your Desktop, or Documents folder. It is a good idea to organize all your work under a course folder. For example:

```
cd /Users/myusername/Documents/comp1800/demo01 (for Windows) OR  
cd ~/Documents/comp1800/demo01 (for Mac)
```

2. Open the file with a text editor on your computer, and create a file called "`index.html`". Save and exit the editor. If you are using TextEdit, don't forget to save the file as ansi (and not rich text format).
 - ▶ Example for Windows
 - ▶ Example for Mac

3. Copy and paste the code below in your text file.

Use your own name instead of Elmo.

```
<html> <body> <h1> Hello, COMP1800! </h1> <script>
console.log("My name is Elmo.") alert("My name is Elmo.")
</script> </body> </html>
```



Your typical HTML file contains two types of instructions:

- **HTML code** (anything wrapped inside <body> tags) that tells the browser HOW to display something

<html> </html>	indicates the start of the HTML file	
<body> </body>	indicates the start of the "body" section	
<h1></h1>	indicates a level one header	
<script> </script>	indicates a block of JavaScript code	

- **Javascript code** (anything wrapped inside <script> tag) that tells the browser how to DO some programmable action

console.log	console. log specifically is a JavaScript method for developers to write code to inconspicuously inform the developers what the code is doing	https://developer.mozilla.org/en-US/docs/Web/API/Console/log
alert()	The alert() method displays an alert box with a message and an OK button. The alert() method is used when you want information to come through to the user.	https://developer.mozilla.org/en-US/docs/Web/API/Window/alert

4. Open the index.html file in your browser and check the console.



How do you open the "console" to see the console.log message?

How to hand in your work

Quit Chrome and click in your browser and click inspect!

JavaScript console.log() Method (w3schools.com)

Now you are ready to take some screen captures for hand-in. Use this time to practice making clean and clear annotations. Crooked lines, or free-hand lines are totally less than what we will be doing for our essays images.

Your screen captures should include:

- browser search bar with your HTML file name visible

- `console.log()` personal message
- `alert()` pop-up personal message

Paste images with results into the Hand-in Template (the Link to this template is at the top of this Notion page). Download as a PDF.

Example screen captures:

Screen capture must be placed in the Handin Template.



Screen Capture #1



Screen Capture #2

