Introduction to CSC 196W

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Agenda

- Introduction to web development tools (VSCode and your browser)
- Git Repository
- Review HTML

About me!

Welcome to CSC 196W! This is the first offering of the course.

I'm in my 4th year of teaching at Sac State. My area of research includes Computer Science education, data visualization, and data analytics.

I moved here from the Bay Area, where I worked as a software engineer for several years. I have my PhD in Computer Science (databases) from University of Michigan, and my B.S. in Computer Engineering from University of Washington.

About you!

Go the the slide deck and create an about you which includes:

1. Name
2. A picture of yourself
3. Goals of taking this course
4. Interesting fact about you

Office Hours

- Fridays 9-5pm
- shaverdian@csus.edu
- Zoom link: https://csus.zoom.us/s/7043055709

- By appointment

Setting up your environment

These slides are here for reference to help you setup your environment. There are three main steps you need to complete in order to work on assignments:

1. Making a directory
2. Installing a programming environment
3. Setting up Git for downloading/submitting assignments
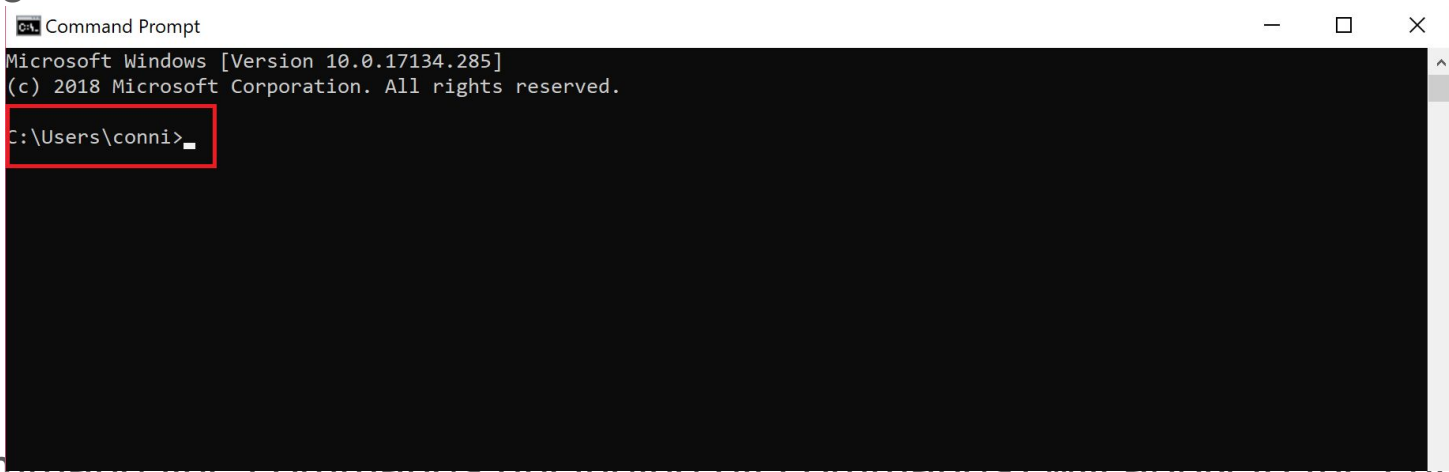
Resource: Command Line Basics

New to the bash terminal? It's just like a text-based alternative to your computer's file-finder GUI, but with a ton of features to edit and run different programs in the same location. Here are some tips for getting around the command line! To learn more, use the next few slides

Moving around the command line

`ls`	"List" files and directories directly inside the current working directory
`cd [folder-name]`	"Change directory" - change directories to the given path (relative to the current working directory)
`cd ..`	Using **cd** to move up a directory

The current working directory

The current working directory refers to the directory your command line is currently targeting.

Any command line commands (including git commands) will apply to the current working directory.

It is often helpful to use **pwd** to check where your current directory is.

Summary of Git Commands You'll Use in This Class

Command	Description
`git clone [link to repository]`	Download a local copy of a Git repository
`git add [filename]`	Proposes changes to be committed
`git commit -m "message"`	Commits changes locally with a descriptive message
`git push`	Pushes to remote (online) repository