- Basic navigation and creating directories
  - Download cmdline_practice.zip
- In-class 1: Find Di's favorite animal
- Creating new files
- Exploring plain text files
- In-class 2: Explore a new book from Project Gutenberg

Download cmdline_practice.zip

- Download and save cmdline_practice.zip (from our course site) in the new folder you just created
  - https://csc10800.github.io/assets/datasets/cmdline_practice.zip
  - Try using the command line to do it
    - Hint: **curl -o**
- Unzip folder
  - **unzip** cmdline_practice.zip

Find Di's favorite animal

- Start with the folder "Hello"
  - What commands would you need to use?
- Use the command **open** to find out what animal it is
  - **open** <file_name.jpg>
    - E.g. **open** oops_itsnothere.png

Find Di's favorite animal

- If you are feeling a little stuck:
  - Hint 1:Use **cd** and **ls**
  - Hint 2: File structure: Hello/lets/find/di_s/favorite/animal

Find Di's favorite animal

- Explore other directories, what other information did you find?
  - What is my favorite food?
  - What is my favorite hobby?
- Delete the file "oops_itsnothere.png"
  - Try the command **rm**

Creating new files

- Create a new file named "cheat_sheet.txt"
  - To create a new file, use **touch**
  - What happens when we put a blank space in our filename?
- Add a new line of information to the file
  - **echo** "This is my cheat sheet" **>** cheat_sheet.txt
- Add 2 more lines to the cheat sheet with redirect and append
  - **echo "**mv: moves file/directory and also rename a file
    touch: create a new file" **>>** cheat_sheet.txt

Explore a new book from Project Gutenberg

- Which book has the largest word count?
- Which book has the most lines?
- Which book where the key word of the title appears the most?

Explore a new book from Project Gutenberg

- Go to https://www.gutenberg.org/ and find a book you would like to explore
- Click on the "Plain Text UTF-8" link
- Download the file to the cmdline_practice folder
- Change the file name to the title of the book
  - Hint: **mv** <original_filename.txt> <new_filename.txt>
- Find out the word count and no. of lines. in the book

Explore a new book from Project Gutenberg

- Find out how often a keyword from the book title appears in the main text of the book
  - E.g. "yellow" in *The Yellow Wallpaper*
  - Hint: **grep** "yellow" -n The-Yellow-Wallpaper.txt
- Provide some context to your finding
  - At least 1 line before (**-B**) and 1 line after (**-A**) your keyword
- Save output of the result in a new file
  - Hint: use the redirect **(>)** or redirect and append **(>>)** command
  - Make sure you are in the right folder