

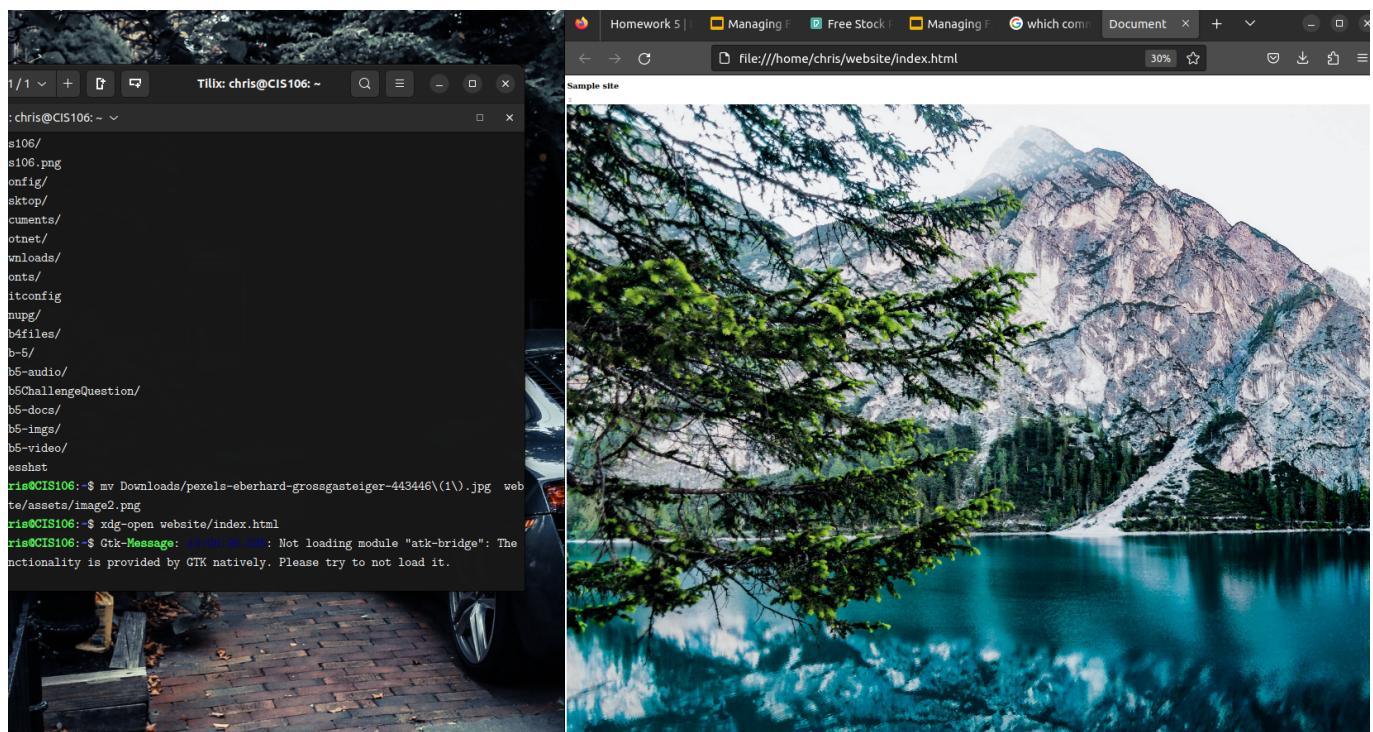
## Questions

- What are Command Options?
  - settings or script that alters the default behavior of the program.
- What are Command Arguments?
  - parameters that are passed to a script while executing them in the bash shell.
- Which command is used for creating directories? Provide at least 3 examples.
  - the commands used to make directories are:
    - mkdir - creates single directory or multiple directory
      - mkdir + name of directory
      - mkdir Downloads/game\_stuff
      - mkdir ~/wallpapers/forest
- What does the touch command do? Provide at least 3 examples.
  - touch commands does the following:
    - touch is used to create files
      - touch + file name
      - touch + file name + file name (if creating several files)
      - touch + ~/Downloads/music.txt (using absolute path)
- How do you remove a file? Provide an example.
  - you can remove a file by using the rm command. it does not remove directories, must use the -r command if so.
    - rm -r /Downloads
- How do you remove a directory and can you remove non-empty directories in Linux? Provide an example
  - to remove a directory, it must be empty meaning no files should be inside to completely remove it. Must use "-r" to remove a directory completely.
- Explain the mv and cp command. Provide at least 2 examples of each
  - mv command moves and renames directories. cp command copies files and directories from source to a destination.
    - mv + source + destination
    - cp + files/directory to copy + destination

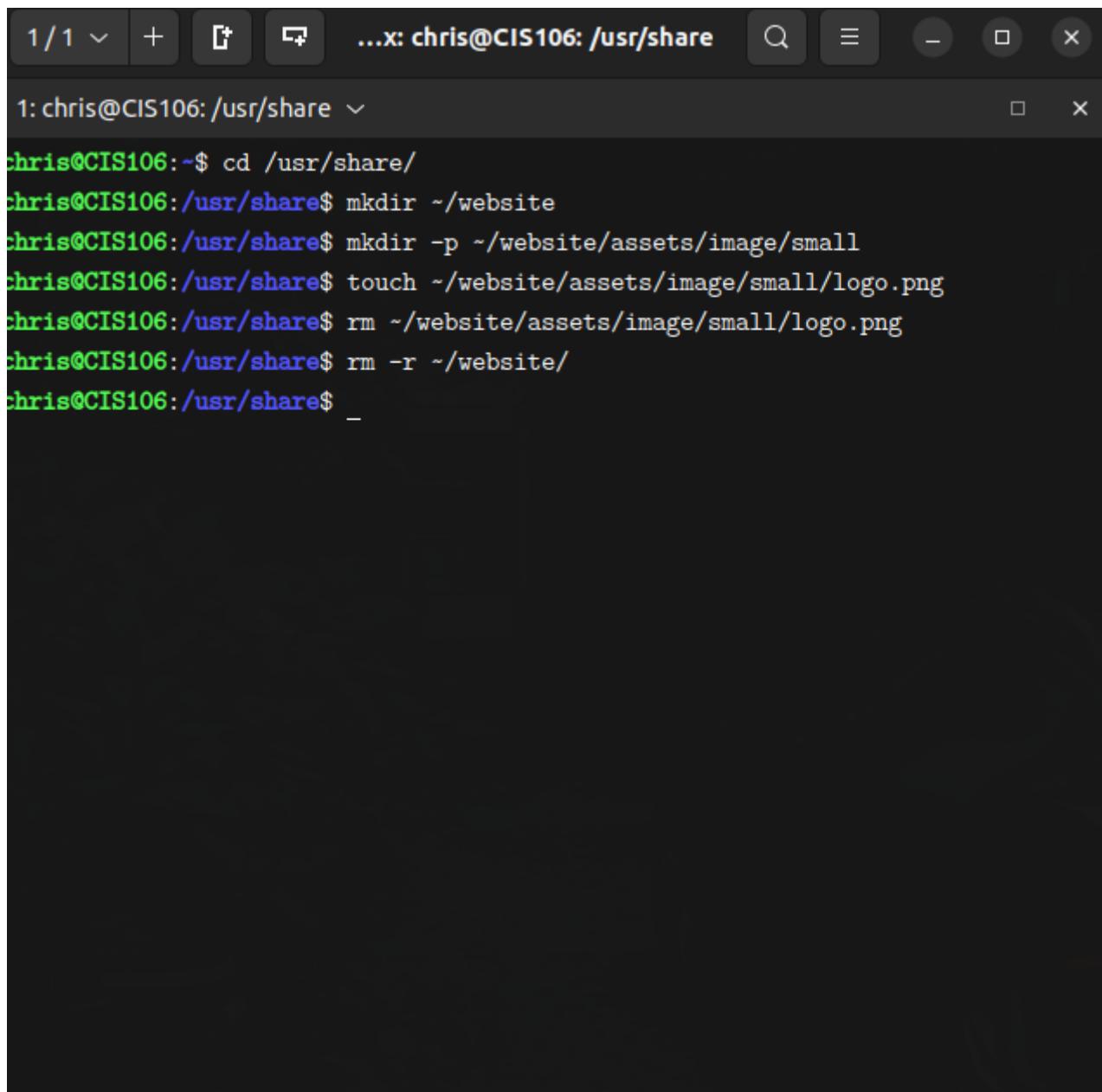
## Practice Solutions

### Practice 1

```
1 / 1 ~ + ⌂ ⌂ Tiliix: chris@CIS106: ~ 🔍 ⌂ ⌂ ⌂ X  
1: chris@CIS106: ~ ~  
  
chris@CIS106:~$ pwd  
/home/chris  
chris@CIS106:~$ mkdir website  
chris@CIS106:~$ cd website/  
chris@CIS106:~/website$ mkdir scripts assets  
chris@CIS106:~/website$ touch index.html  
chris@CIS106:~/website$ touch assets/image.png scripts/script.js  
chris@CIS106:~/website$ tree .  
  
. -+ assets  
   |   └ image.png  
   └ index.html  
   └ scripts  
     └ script.js  
  
2 directories, 3 files  
chris@CIS106:~/website$ rm scripts/script.js assets/image.png  
chris@CIS106:~/website$ rmdir scripts/ assets/  
chris@CIS106:~/website$ cd ..  
chris@CIS106:~$ rm -r website/  
chris@CIS106:~$
```



## Practice 2

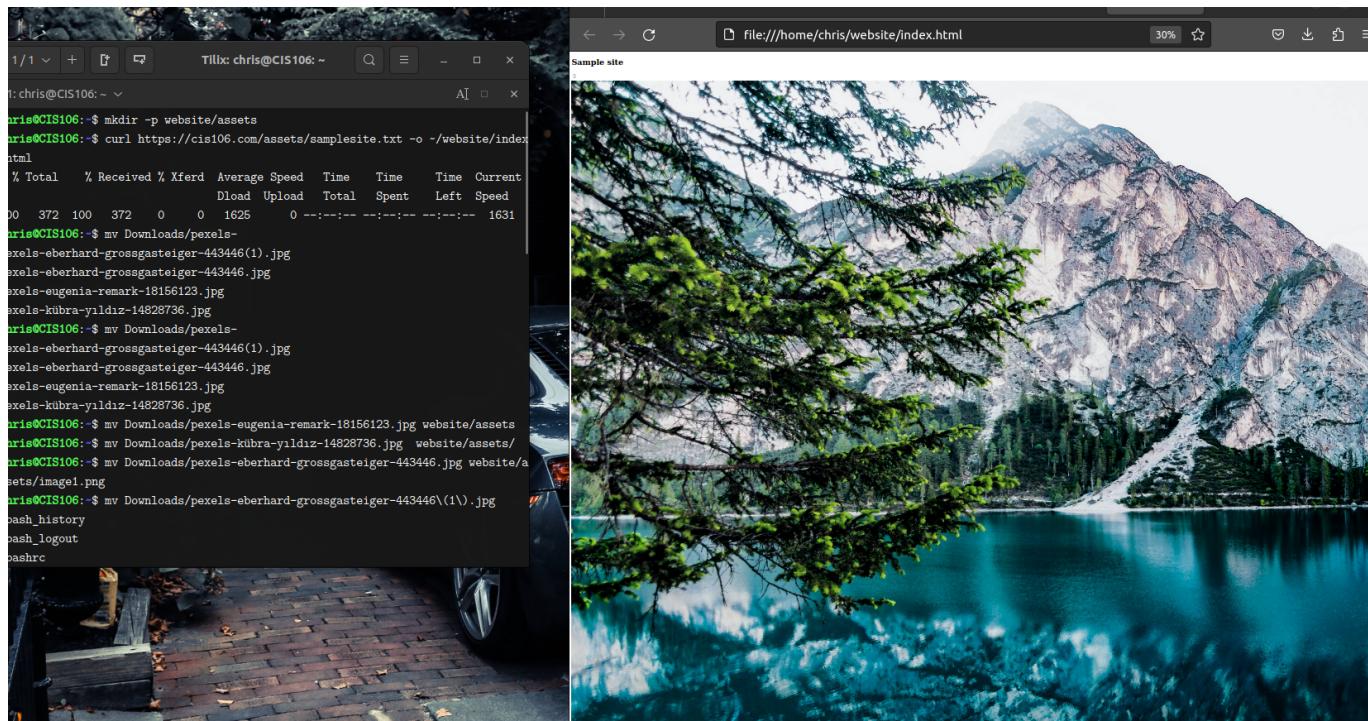


The screenshot shows a terminal window with the following interface elements:

- Top bar: "1 / 1" with a dropdown arrow, a "+" button, a refresh icon, and a search bar containing "...x: chris@CIS106: /usr/share".
- Top bar: Minimize, Maximize, Close buttons.
- Text area:

```
1: chris@CIS106: /usr/share ~
chris@CIS106:~$ cd /usr/share/
chris@CIS106:/usr/share$ mkdir ~/website
chris@CIS106:/usr/share$ mkdir -p ~/website/assets/image/small
chris@CIS106:/usr/share$ touch ~/website/assets/image/small/logo.png
chris@CIS106:/usr/share$ rm ~/website/assets/image/small/logo.png
chris@CIS106:/usr/share$ rm -r ~/website/
chris@CIS106:/usr/share$ _
```

### Practice 3



## Practice 4

```
1: chris@CIS106: ~/website ~

chris@CIS106:~$ cd website/
chris@CIS106:~/website$ mkdir docs
chris@CIS106:~/website$ cp ~/Downloads/sample1.docx ~/website/docs/
chris@CIS106:~/website$ cp ~/Downloads/sample1.pdf ~/website/docs/
chris@CIS106:~/website$ cp ~/Downloads/sample1.xls ~/website/docs/
chris@CIS106:~/website$ tree .

.
├── assets
│   ├── image1.png
│   ├── image2.png
│   ├── pexels-eugenia-remark-18156123.jpg
│   └── pexels-kübra-yıldız-14828736.jpg
└── docs
    ├── sample1.docx
    ├── sample1.pdf
    └── sample1.xls

2 directories, 8 files
chris@CIS106:~/website$
```