

# Lab 6

## Question 1

Q1

### Practice 1 | Creating files and directories

1. In your home directory, create a directory called **website**.
2. Inside the **website** directory create 2 directories called **script** and **assets**
3. Inside the **website** directory create a file called **index.html**
4. Inside the **assets** directory create a file called **image.png**
5. Inside the **scripts** directory create a file called **script.js**
6. Display a tree of the **website** directory
7. Remove the **script.js** and **image.png** file
8. Remove the **script** and **assets** directory
9. Remove the **website** directory

```

elij@cis106:~$ mkdir website
elij@cis106:~$ mkdir website/script website/assets
elij@cis106:~$ cd website/
elij@cis106:~/website$ touch -v index.html
touch: invalid option -- 'v'
Try 'touch --help' for more information.
elij@cis106:~/website$ touch index.html
elij@cis106:~/website$ cd ~/website/assets/
elij@cis106:~/website/assets$ touch image.png
elij@cis106:~/website/assets$ cd ~/website/script/
elij@cis106:~/website/script$ touch script.js
elij@cis106:~/website/script$ cd ../
elij@cis106:~/website$ tree
.
└── assets
    └── image.png
── index.html
└── script
    └── script.js

3 directories, 3 files
elij@cis106:~/website$ cd assets/
elij@cis106:~/website/assets$ rm -v image.png
removed 'image.png'
elij@cis106:~/website/assets$ cd ~/website/script/
elij@cis106:~/website/script$ rm -v script.js
removed 'script.js'
elij@cis106:~/website/script$ cd ../
elij@cis106:~/website$ rm -r -v assets/ script/
removed directory 'assets/'
removed directory 'script/'
elij@cis106:~/website$ cd ../
elij@cis106:~$ rm -r -v website/
removed 'website/index.html'
removed directory 'website/'
```

Q2

### Practice 2 | Creating files and Directories

1. Change your present working directory to **/usr/share**
2. Create a directory in your home directory called **website** without using the **cd** command.
3. Create a the directories: **assets/images/small** inside the **website** directory.
4. Create a file inside **website/assets/images/small** called **logo.png**
5. Remove the **logo.png** file
6. Remove the **website** directory

```

1: elij@cis106: /usr/share
elij@cis106: /usr/share$ mkdir ~/website
elij@cis106: /usr/share$ mkdir -p ~./website/assets/images/small
mkdir: created directory '/home/eli/website/assets'
mkdir: created directory '/home/eli/website/assets/images'
mkdir: created directory '/home/eli/website/assets/images/small'
elij@cis106: /usr/share$ touch ~./website/assets/images/small/logo.png
elij@cis106: /usr/share$ rm -r ~./website/
removed directory '/home/eli/website/assets/images/small'
removed directory '/home/eli/website/assets/images'
removed directory '/home/eli/website/assets'
removed directory '/home/eli/website/'
elij@cis106: /usr/share$ _
```

Q3

### Practice 3 | Moving and Renaming Files

1. Create a directory called **website** in your home directory. Inside the **website** directory, create a directory called **assets**.
2. Run this command:  
`curl https://cis106.com/assets/samplesite.txt > ~/website/index.html`
3. Download two images from the site: [pixabay.com](https://pixabay.com)
4. Move the images from the **Download** directory to the **website/assets** directory
5. Rename the images using the name convention: **image.png** and **image2.png**
6. Open the file **index.html** located inside the **website** directory. Do you see the **images** in the page?

```

elij@cis106:~$ mkdir -p website/assets
elij@cis106:~$ curl https://cis106.com/assets/samplesite.txt > ~/website/index.html
% Total    % Received % Xferd  Average Speed   Time   Time  Current
          Dload  Upload Total Spent   Left Speed
100  455  100  455    0     0  8969      0  --:--:--:--:--:--  9100
elij@cis106:~$ mv Downloads/pexels-luis-leon-1223645-7527083.jpg website/
website/      websiteclear/  website/index.html
elij@cis106:~$ mv Downloads/pexels-luis-leon-1223645-7527083.jpg website/assets/
elij@cis106:~$ mv Downloads/pexels-arlindphotography-31885499.jpg website/assets/image.png
mv: cannot stat 'Downloads/pexels-luis-leon-1223645-7527083.jpg': No such file or directory
elij@cis106:~$ mv ~/website/assets/pexels-luis-leon-1223645-7527083.jpg ~/website/assets/image.png
elij@cis106:~$ mv -v ~/website/assets/pexels-arlindphotography-31885499.jpg ~/website/assets/image2.png
renamed '/home/eli/website/assets/pexels-arlindphotography-31885499.jpg' -> '/home/eli/website/assets/image2.png'
elij@cis106:~$ xdg-open website/index.html
gio: file:///home/eli/website/index.html: Error when getting information for file "/home/eli/website/index.html":
No such file or directory
elij@cis106:~$ xdg-open website/index.html
elij@cis106:~$ _
```

## Challenge Question 1

```
Tiliix: eli@cis106: ~/lab6-challenge1
1/1 ▾ + ⌂ ⌂
Tiliix: eli@cis106: ~/lab6-challenge1
elie@cis106:~/lab6-challenge1$ mkdir -p code/bash/example code/.hidden code/python/documents code/python/hw
elie@cis106:~/lab6-challenge1$ mkdir -p documents
elie@cis106:~/lab6-challenge1$ mv *mp3 assets/audio/
elie@cis106:~/lab6-challenge1$ mv *mp4 assets/video/
elie@cis106:~/lab6-challenge1$ mv debian.png tux.png assets/imgs/
elie@cis106:~/lab6-challenge1$ touch assets/ this-file-is-empty.txt
elie@cis106:~/lab6-challenge1$ mv hello.sh script.sh code/bash/example/
elie@cis106:~/lab6-challenge1$ mv .key .secrets.txt code/.hidden/
elie@cis106:~/lab6-challenge1$ mv instructions.docx notes.doc submission.pdf code/python/documents/
elie@cis106:~/lab6-challenge1$ mv challenge.py program.py code/python/hw/
elie@cis106:~/lab6-challenge1$ mv instructions.docx notes.doc submission.pdf code/python/documents/
mv: cannot stat 'instructions.docx': No such file or directory
mv: cannot stat 'notes.doc': No such file or directory
elie@cis106:~/lab6-challenge1$ cp code/python/documents/instructions.docx code/python/documents/notes.doc code/python/documents/submission.pdf documents/
elie@cis106:~/lab6-challenge1$ sudo rm -r .git
[sudo] password for eli:
elie@cis106:~/lab6-challenge1$ rm garbage.txt no-longer-needed.txt to-be-deleted.txt
elie@cis106:~/lab6-challenge1$ _
```

```
Tiliix: eli@cis106: ~
2/2 ▾ + ⌂ ⌂
Tiliix: eli@cis106: ~
elie@cis106:~$ tree -a ~/lab6-challenge1/
/home/eli/lab6-challenge1/
├── assets
│   ├── audio
│   │   ├── song1.mp3
│   │   └── song2.mp3
│   ├── imgs
│   │   ├── debian.png
│   │   └── tux.png
│   ├── this-file-is-empty.txt
│   └── video
│       ├── earth.mp4
│       └── lain.mp4
└── code
    ├── bash
    │   └── example
    │       └── hello.sh
    └── .hidden
        ├── .key
        ├── .password
        └── .secrets.txt
    └── python
        ├── documents
        │   ├── instructions.docx
        │   ├── notes.doc
        │   └── submission.pdf
        └── hw
            └── challenge.py
    └── program.py
└── documents
    ├── instructions.docx
    ├── notes.doc
    └── submission.pdf

13 directories, 20 files
```

## Challenge Question 2

```
eli@cis106:~$ git clone https://github.com/linuxworkshop67/lab6-challenge2
Cloning into 'lab6-challenge2'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
eli@cis106:~$ mv Downloads/pexels-lstan-2252311.jpg ~/lab6-challenge2/img1.jpg
eli@cis106:~$ mv Downloads/pexels-jess-vide-5232894.jpg ~/lab6-challenge2/img2.jpg
eli@cis106:~$ mv Downloads/pexels-bethany-ferr-5483420.jpg ~/lab6-challenge2/img3.jpg
eli@cis106:~$ _
```

```
eli@cis106:~$ ls ~/lab6-challenge2
img1.jpg img3.jpg
img2.jpg index.html
eli@cis106:~$ _
```





