

Lab 6 Submission

Question 1

- Practice 1

The screenshot shows a terminal window titled "Tilix: aayushmas@Linux: ~". The session starts with the user creating a "website" directory and navigating into it. Inside, they create "script" and "assets" sub-directories, touch an "index.html" file, and create an "image.png" file in the assets directory. They then attempt to change into a "scripts" directory but receive an error message. Next, they navigate to the "script" directory, touch a "script.js" file, and then return to the parent directory. A "tree" command is run to show the current directory structure, which includes "index.html", "script" (containing "script.js"), and "assets" (containing "image.png"). The user then removes the "script" and "assets" directories using the "rm" command. Finally, they run another "tree" command to show that only "index.html" remains. They then attempt to change into the "website" directory again but receive an error message about it not existing.

```
1: aayushmas@Linux: ~
aayushmas@Linux:~$ mkdir website
aayushmas@Linux:~$ cd website
aayushmas@Linux:~/website$ mkdir script assets
aayushmas@Linux:~/website$ touch index.html
aayushmas@Linux:~/website$ cd assets
aayushmas@Linux:~/website/assets$ touch image.png
aayushmas@Linux:~/website/assets$ cd ../
aayushmas@Linux:~/website$ cd scripts
bash: cd: scripts: No such file or directory
aayushmas@Linux:~/website$ cd script
aayushmas@Linux:~/website/script$ touch script.js
aayushmas@Linux:~/website/script$ cd ../
aayushmas@Linux:~/website$ tree
.
├── assets
│   └── image.png
└── index.html
└── script
    └── script.js

3 directories, 3 files
aayushmas@Linux:~/website$ rm script/assets/image.png
aayushmas@Linux:~/website$ rmdir script assets
aayushmas@Linux:~/website$ tree
.
└── index.html

1 directory, 1 file
aayushmas@Linux:~/website$ cd ../
aayushmas@Linux:~$ rm -r website
aayushmas@Linux:~$ cd website
bash: cd: website: No such file or directory
aayushmas@Linux:~$
```

- Practice 2

The screenshot shows a terminal window titled "Tilix: aayushmas@Linux: /usr/share". The terminal content is as follows:

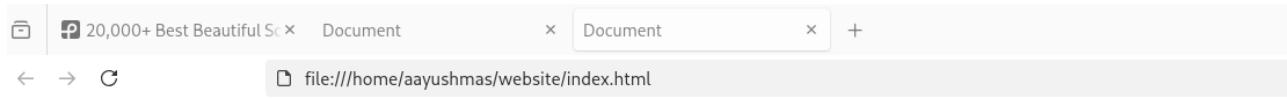
```
1/1 + 🔍  Tilix: aayushmas@Linux: /usr/share
1: aayushmas@Linux: /usr/share ~
aayushmas@Linux:~$ cd /usr/share
aayushmas@Linux:/usr/share$ mkdir ~/website
aayushmas@Linux:/usr/share$ mkdir -p ~/website/assets/images/small
aayushmas@Linux:/usr/share$ touch ~/website/assets/images/small/logo.png

aayushmas@Linux:/usr/share$ tree ~/website
/home/aayushmas/website
└── assets
    └── images
        └── small
            └── logo.png

4 directories, 1 file
aayushmas@Linux:/usr/share$ rm ~/website/assets/images/small/logo.png
aayushmas@Linux:/usr/share$ tree ~/website
/home/aayushmas/website
└── assets
    └── images
        └── small

4 directories, 0 files
aayushmas@Linux:/usr/share$ rm -r ~/website/
aayushmas@Linux:/usr/share$
```

- Practice 3



Sample site



```
1: aayushmas@Linux: ~
aayushmas@Linux:~$ mkdir -p website/assets
aayushmas@Linux:~$ curl https://cis106.com/assets/samplesite.txt -o ~/website/index.html
% Total    % Received % Xferd  Average Speed   Time     Time      Time  Current
                                         Dload  Upload Total   Spent    Left Speed
100  455  100  455    0     0  2476      0 --:--:-- --:--:-- --:--:--  2486
aayushmas@Linux:~$ mv Downloads/pexels-
pexels-therato-10012673.jpg pexels-valiphotos-589808.jpg
aayushmas@Linux:~$ mv Downloads/pexels-therato-10012673.jpg website/assets/
aayushmas@Linux:~$ mv Downloads/pexels-valiphotos-589808.jpg website/assets/
aayushmas@Linux:~$ mv website/assets/pexels-therato-10012673.jpg website/assets/image.png
aayushmas@Linux:~$ mv website/assets/pexels-valiphotos-589808.jpg website/assets/image2.png
aayushmas@Linux:~$ xdg-open website/index.html
aayushmas@Linux:~$
```

Question 2

- Challenge 1

```
[aayushmas@Linux ~]$ git clone https://github.com/linuxworkshop//lab6-challenge1
Cloning into 'lab6-challenge1'...
remote: Enumerating objects: 17, done.
remote: Counting objects: 100% (17/17), done.
remote: Compressing objects: 100% (13/13), done.
remote: Total 17 (delta 1), reused 17 (delta 1), pack-reused 0 (from .)
Receiving objects: 100% (17/17), 2.89 MB | 2.85 MB/s, done.
Resolving deltas: 100% (1/1), done.
[aayushmas@Linux ~]$ cd lab6-challenge1/
[aayushmas@Linux ~]$ ls -a
.  ..  .git  notes.doc  song2.mp3
..  hello.sh  .password  submission.pdf
challenge.py  instructions.docx  program.py  to-be-deleted.txt
script.sh  tux.png
debian.png  lain.mp4  .secrets.txt
garbage.txt  no-longer-needed.txt
[aayushmas@Linux ~]$ mkdir assets code documents
[aayushmas@Linux ~]$ mkdir assets/audio assets/imgs assets/video
[aayushmas@Linux ~]$ mv song1.mp3 song2.mp3 assets/audio
mv: cannot stat 'song1.mp3': Not a directory
mv: cannot stat 'song2.mp3': Not a directory
[aayushmas@Linux ~]$ mv debian.png lain.mp4 assets/video
[aayushmas@Linux ~]$ mkdir -p code/bash/example
[aayushmas@Linux ~]$ mv hello.sh script.sh code/bash/example
[aayushmas@Linux ~]$ mkdir code/.hidden
[aayushmas@Linux ~]$ mv .key .password .secrets.txt code/.hidden/
[aayushmas@Linux ~]$ sudo rm -rf .git
[sudo] password for aayushmas:
Sorry, try again.
[sudo] password for aayushmas:
[aayushmas@Linux ~]$ mkdir -p code/python/documents
[aayushmas@Linux ~]$ mkdir code/python/hmw
[aayushmas@Linux ~]$ mv myinstructions.docx notes.doc submission.pdf code/python/documents/
[aayushmas@Linux ~]$ mv challenge.py program.py code/python/hmw/
[aayushmas@Linux ~]$ rm documents/
[aayushmas@Linux ~]$ rmdir documents/
[aayushmas@Linux ~]$ cp -rv code/python/documents/ .
[code/python/documents/] -> ./documents/
[code/python/documents/] -> ./documents/instructions.docx
[code/python/documents/] -> ./documents/notes.doc
[code/python/documents/] -> ./documents/submission.pdf
[aayushmas@Linux ~]$ rm garbage.txt no-longer-needed.txt to-be-deleted.txt
[aayushmas@Linux ~]$ touch assets/thisfileis-empty.txt
```



```
[aayushmas@Linux ~]$ tree -a
.
+-- assets
|   +-- audio
|   |   +-- song1.mp3
|   |   +-- song2.mp3
|   +-- imgs
|   |   +-- debian.png
|   |   +-- tux.png
|   +-- video
|       +-- earth.mp4
|       +-- lain.mp4
+-- code
|   +-- bash
|   |   +-- example
|   |   |   +-- hello.sh
|   |   |   +-- script.sh
|   +-- hidden
|       +-- .key
|       +-- .password
|       +-- .secrets.txt
+-- python
|   +-- documents
|   |   +-- instructions.docx
|   |   +-- notes.doc
|   |   +-- submission.pdf
|   +-- hmw
|       +-- challenge.py
|       +-- program.py
+-- documents
    +-- instructions.docx
    +-- notes.doc
    +-- submission.pdf

13 directories, 19 files
```

```
[aayushmas@Linux ~]$ tree -a
.
+-- assets
|   +-- audio
|   |   +-- song1.mp3
|   |   +-- song2.mp3
|   +-- imgs
|   |   +-- debian.png
|   |   +-- tux.png
|   +-- video
|       +-- earth.mp4
|       +-- lain.mp4
+-- code
|   +-- bash
|   |   +-- example
|   |   |   +-- hello.sh
|   |   |   +-- script.sh
|   +-- hidden
|       +-- .key
|       +-- .password
|       +-- .secrets.txt
+-- python
|   +-- documents
|   |   +-- instructions.docx
|   |   +-- notes.doc
|   |   +-- submission.pdf
|   +-- hmw
|       +-- challenge.py
|       +-- program.py
+-- documents
    +-- instructions.docx
    +-- notes.doc
    +-- submission.pdf

13 directories, 20 files
```

Question 3

- Challenge 2

```
1/1 + 1 Tilix: aayushmas@Linux: ~/lab6-challenge2
1: aayushmas@Linux: ~/lab6-challenge2 ~
aayushmas@Linux:~$ 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.
aayushmas@Linux:~$ cd lab6-challenge2/
aayushmas@Linux:~/lab6-challenge2$ ls
index.html
aayushmas@Linux:~/lab6-challenge2$ xdg-open index.html
aayushmas@Linux:~/lab6-challenge2$ mv ~/Downloads/pexels-
mv: missing destination file operand after '/home/aayushmas/Downloads/pexels-'
Try 'mv --help' for more information.
aayushmas@Linux:~/lab6-challenge2$ mv ~/Downloads/pexels-
pexels-gabin-cobret-430175667-33359035.jpg
pexels-polina-lisova-2156904007-34446694.jpg
pexels-souvenirpixels-1542495.jpg
aayushmas@Linux:~/lab6-challenge2$ mv ~/Downloads/pexels-gabin-cobret-430175667-33359035.jpg ./img1.jpg

aayushmas@Linux:~/lab6-challenge2$ mv ~/Downloads/pexels-polina-lisova-2156904007-34446694.jpg ./img2.jpg
aayushmas@Linux:~/lab6-challenge2$ mv ~/Downloads/pexels-souvenirpixels-1542495.jpg ./img3.jpg
aayushmas@Linux:~/lab6-challenge2$ ls
img1.jpg img2.jpg img3.jpg index.html
aayushmas@Linux:~/lab6-challenge2$ xdg-open index.html
aayushmas@Linux:~/lab6-challenge2$
```

