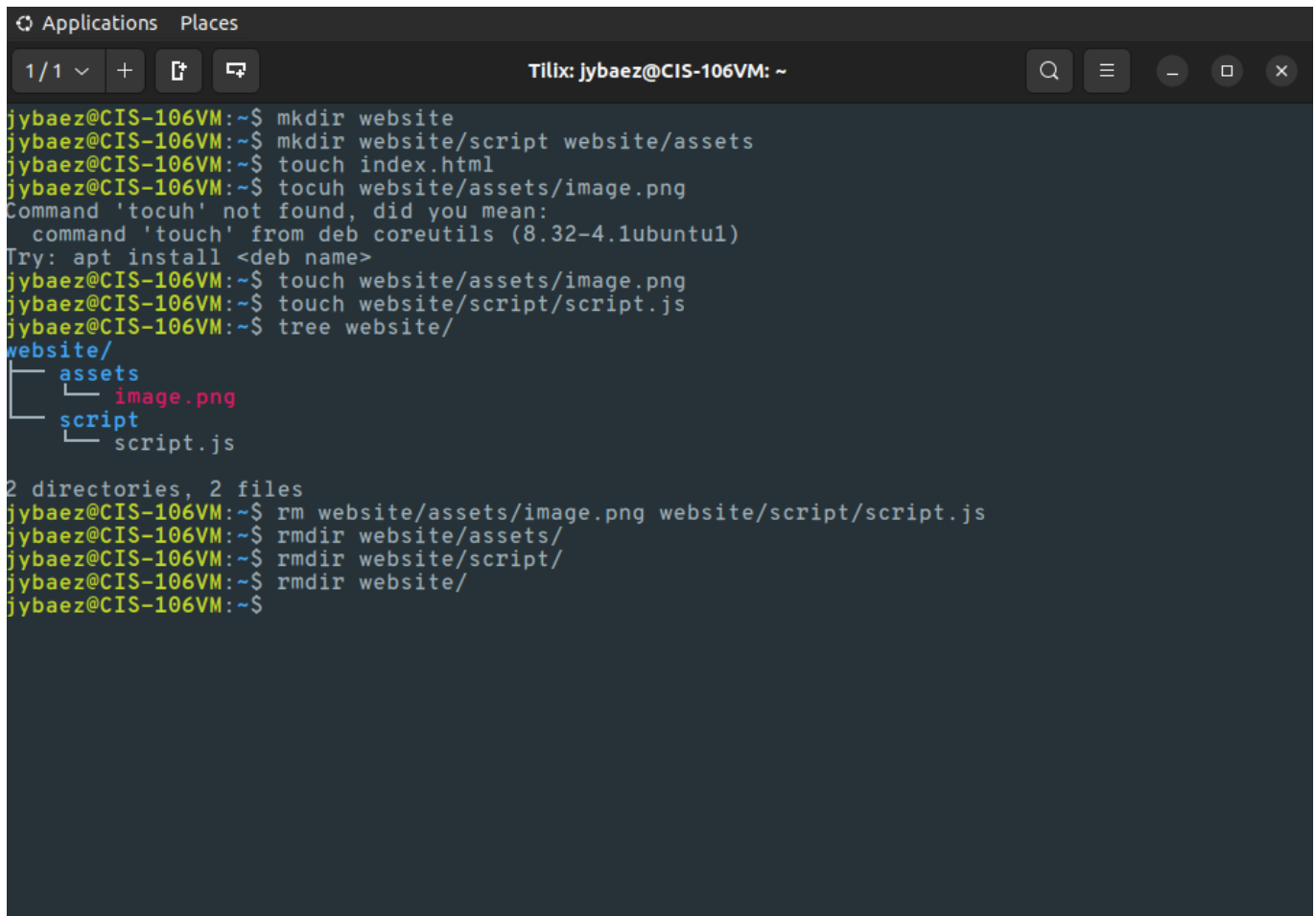


Week report 5

Answer to questions:

- **What are Command Options?** Options modify/enhance a commands behavior.
- **What are Command Arguments?** The items that open which the command acts on.
- **Which command is used for creating directories? Provide at least 3 examples.** The command for creating directories is `mkdir`.
 - **Example 1:** Create a directory: `mkdir wedding`
 - **Example 2:** Created multiple directories: `mkdir ~/Downloads/games ~/Documents/Homeworks`
 - **Example 3:** Create directory with a parent directory: `mkdir -p Pets/Dogs`
- **What does the touch command do? Provide at least 3 examples.** The `touch` command allows you to create files.
 - **Example 1:** Create a file: `touch report`
 - **Example 2:** Create multiple files: `touch book_report1.txt book_report2.txt`
 - **Example 3:** Create a file us with a space in its name: `touch "Command Cheat Sheet.txt"`
- **How do you remove a file? Provide an example.** To remove a file you use the `rm` command.
 - **Example:** Remove a file: `rm book_report1`
- **How do you remove a directory and can you remove non-empty directories in Linux? Provide an example** To remove a directory you use the `rmdir` command. Yes you can remove a non-empty directory in linux but you have to use `rm -r`.
 - **Example 1:** Remove an empty directory: `rmdir wedding`
 - **Example 2:** Remove non empty directory: `rm -r Pets`
- **Explain the mv and cp command. Provide at least 2 examples of each** The `mv` command moves and renames directories. The `cp` command copies files or directories from a source to a destination.
 - **Examples of mv command:** Move a file from a directory using relative path: `mv Documents/cats.png Pictures/` Rename a file: `mv book_report2.txt final_report.txt`
 - **Examples of cp command:** Copy a file: `cp Downloads/wallpapers.zip Pictures/`
Copy the content of a directory to another directory: `cp Downloads/wallpapers/* ~/Pictures/`

Practice 1

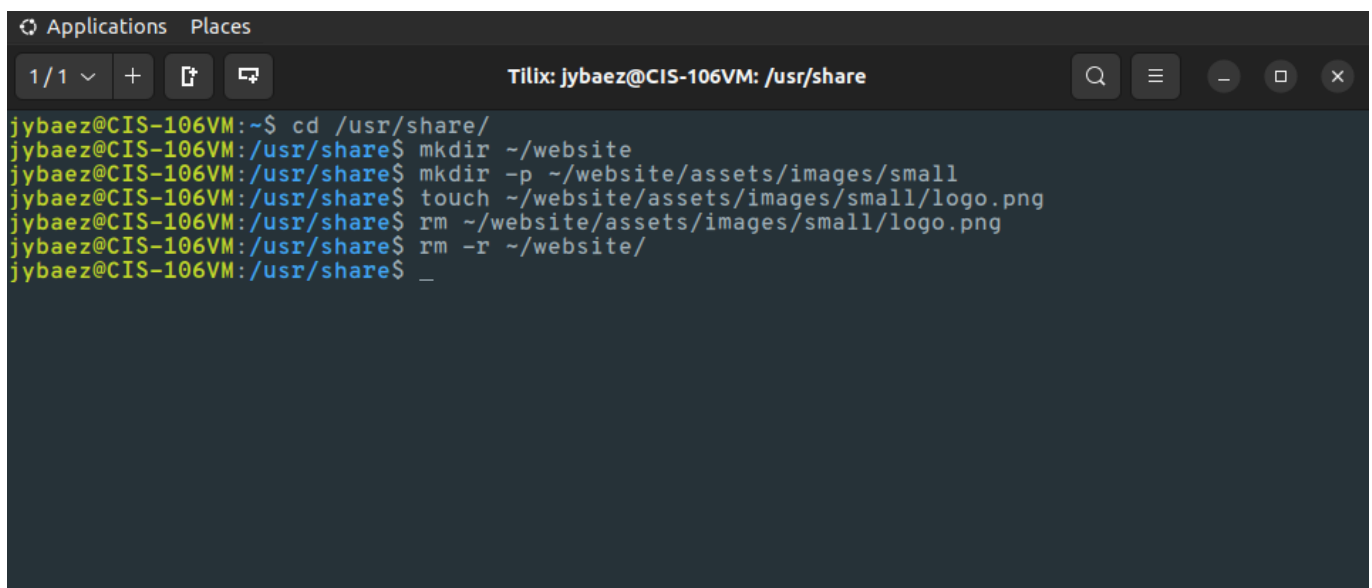


A terminal window titled 'Tilix: jybaez@CIS-106VM: ~' showing a series of commands to create a website directory structure. The user creates 'website', 'website/script', and 'website/assets' directories. They create 'index.html' in the root and 'image.png' in 'website/assets'. A message indicates 'touch' is not found, suggesting installation from 'deb coreutils'. The user then creates 'script.js' in 'website/script'. A 'tree' command shows the directory structure. Finally, the user removes the 'website' directory and its contents.

```
jybaez@CIS-106VM:~$ mkdir website
jybaez@CIS-106VM:~$ mkdir website/script website/assets
jybaez@CIS-106VM:~$ touch index.html
jybaez@CIS-106VM:~$ touch website/assets/image.png
Command 'touch' not found, did you mean:
  command 'touch' from deb coreutils (8.32-4.1ubuntu1)
Try: apt install <deb name>
jybaez@CIS-106VM:~$ touch website/assets/image.png
jybaez@CIS-106VM:~$ touch website/script/script.js
jybaez@CIS-106VM:~$ tree website/
website/
├── assets
│   └── image.png
└── script
    └── script.js

2 directories, 2 files
jybaez@CIS-106VM:~$ rm website/assets/image.png website/script/script.js
jybaez@CIS-106VM:~$ rmdir website/assets/
jybaez@CIS-106VM:~$ rmdir website/script/
jybaez@CIS-106VM:~$ rmdir website/
jybaez@CIS-106VM:~$
```

Practice 2



A terminal window titled 'Tilix: jybaez@CIS-106VM: /usr/share' showing commands to create a website directory structure in the user's home directory. The user changes to '/usr/share' and creates '~/.website', '~/.website/assets/images/small', and '~/.website/assets/images/small/logo.png'. They then remove '~/.website/assets/images/small/logo.png' and '~/.website/'.

```
jybaez@CIS-106VM:~$ cd /usr/share/
jybaez@CIS-106VM:/usr/share$ mkdir ~/.website
jybaez@CIS-106VM:/usr/share$ mkdir -p ~/.website/assets/images/small
jybaez@CIS-106VM:/usr/share$ touch ~/.website/assets/images/small/logo.png
jybaez@CIS-106VM:/usr/share$ rm ~/.website/assets/images/small/logo.png
jybaez@CIS-106VM:/usr/share$ rm -r ~/.website/
jybaez@CIS-106VM:/usr/share$ _
```

Practice 3

```
Tilix: jybaez@CIS-106VM: ~
1/1 v + [ ] [ ]
jybaez@CIS-106VM:~$ mkdir -p website/assets
jybaez@CIS-106VM:~$ 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    372    100    372     0     0    2961     0 --:--:-- --:--:-- --:--:--   2976
jybaez@CIS-106VM:~$ mv Downloads/pexels-photo-2246476.jpeg website/assets/
jybaez@CIS-106VM:~$ mv Downloads/pexels-photo-296849.webp website/assets/
jybaez@CIS-106VM:~$ mv website/assets/pexels-photo-2246476.jpeg image website/assets/image.png
mv: target 'website/assets/image.png' is not a directory
jybaez@CIS-106VM:~$ mv website/assets/pexels-photo-2246476.jpeg website/assets/image.png
jybaez@CIS-106VM:~$ mv website/assets/pexels-photo-296849.webp website/assets/image2.png
jybaez@CIS-106VM:~$ _
```

Practice 4

```
Applications Places
Tilix: jybaez@CIS-106VM: ~
1/1 v + [ ] [ ]
1: jybaez@CIS-106VM: ~ v [ ] [ ]
jybaez@CIS-106VM:~$ mkdir website/docs
jybaez@CIS-106VM:~$ cp Downloads/sample1.doc website/docs/
jybaez@CIS-106VM:~$ cp Downloads/sample2.pdf website/docs/
jybaez@CIS-106VM:~$ cp Downloads/sample2.xls website/docs/
jybaez@CIS-106VM:~$ tree website/docs/
website/docs/
├── sample1.doc
├── sample2.pdf
└── sample2.xls

0 directories, 3 files
jybaez@CIS-106VM:~$ _
```