

Week Report 5

Answer to Questions:

- **What are Command Options?** Command options modify or enhance their behavior.
- **What are Command Arguments?** Command arguments are the items which the command acts on.
- **Which command is used for creating directories? Provide at least 3 examples.** The command is `mkdir`.
 - Example 1:
 - Create a directory: `mkdir magician`
 - Example 2:
 - Create multiple directories: `mkdir movies ~/Downloads/videos ~/Documents/resume`
 - Example 3:
 - Create a directory with a parent directory at the same time: `mkdir -p images/birthdaytrip`
- **What does the touch command do? Provide at least 3 examples.** The touch command creates files.
 - Example 1:
 - Create a single file: `touch image1.png`
 - Example 2:
 - Create a file using absolute path: `touch ~/Pictures/image2.png`
 - Example 3:
 - Create a file with a space in its name: `touch "birthday cake.jpeg"`
- **How do you remove a file? Provide an example.** The rm command removes files.
 - `rm docs/sample2.doc`
- **How do you remove a directory and can you remove non-empty directories in Linux? Provide an example.** To remove a directory use rm with the -r command
 - To remove empty directories, use `rmdir`
 - To remove non-empty directories, use `rm -r (directory name)`
- **Explain the mv and cp command. Provide at least 2 examples of each.** The mv command moves and renames directories
 - Example 1:
 - To move from one directory to another: `mv Downloads/homework.pdf Documents/`
 - Example 2:
 - To move and rename a file: `mv Downloads/homework.docx Documents/new_homework.docx` The cp command copies files and directories from a source to a destination
 - Example 1:
 - To copy a file: `cp Downloads/wallpaper/background.png Pictures/`
 - Example 2:
 - To copy the content of a directory to another: `cp Downloads/wallpaper/* ~/Pictures/`

Practice 1

```
1 / 1  +  ... ix: mebrinkmann@cis106: ~  Q  ≡  -  
1: mebrinkmann@cis106: ~  v  
mebrinkmann@cis106:~$ mkdir website  
mebrinkmann@cis106:~$ cd website/  
mebrinkmann@cis106:~/website$ mkdir script assets  
mebrinkmann@cis106:~/website$ touch index.html  
mebrinkmann@cis106:~/website$ touch assets/image.png  
mebrinkmann@cis106:~/website$ touch script/script.js  
mebrinkmann@cis106:~/website$ tree .  
.  
├── assets  
│   └── image.png  
├── index.html  
└── script  
    └── script.js  
  
2 directories, 3 files  
mebrinkmann@cis106:~/website$ rm script/script.js  
mebrinkmann@cis106:~/website$ rm assets/image.png  
mebrinkmann@cis106:~/website$ rm -r script/ assets/  
mebrinkmann@cis106:~/website$ cd ../  
mebrinkmann@cis106:~$ rm website/ -r  
mebrinkmann@cis106:~$ _
```

Practice 2

```
1 / 1  +  ... kmann@cis106: /usr/share  Q  ≡  -  □  ×  
1: mebrinkmann@cis106: /usr/share  v  □  ×  
mebrinkmann@cis106:~$ cd /usr/share  
mebrinkmann@cis106:/usr/share$ mkdir ~/website  
mebrinkmann@cis106:/usr/share$ mkdir -p ~/website/assets/images/small  
mebrinkmann@cis106:/usr/share$ touch ~/website/assets/images/small/logo.png  
mebrinkmann@cis106:/usr/share$ rm ~/website/assets/images/small/logo.png  
mebrinkmann@cis106:/usr/share$ rm -r ~/website/  
mebrinkmann@cis106:/usr/share$
```

Practice 3

```
1/1 ▾ + [G] [R] Tilix: mebrinkmann@cis106: ~ 🔍 ☰ - □ ×
```

```
1: mebrinkmann@cis106: ~ ▾
```

```
mebrinkmann@cis106:~$ mkdir -p website/assets
mebrinkmann@cis106:~$ curl https://cis106/assets/samplesite.txt -o ~/website/index.html
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           % Done    0         0             0          0      0     0      0
curl: (7) Failed to connect to cis106 port 443 after 0 ms: Connection refused
mebrinkmann@cis106:~$ mv Downloads/pexels-
mv: missing destination file operand after 'Downloads/pexels-'
Try 'mv --help' for more information.
mebrinkmann@cis106:~$ mv Downloads/pexels-photo-15327232.jpeg website/assets/
mebrinkmann@cis106:~$ mv Downloads/pexels-photo-5346060.jpeg website/assets/
mebrinkmann@cis106:~$ mv Downloads/pexels-photo-15327232.jpeg website/assets/image.png
mv: cannot stat 'Downloads/pexels-photo-15327232.jpeg': No such file or directory
mebrinkmann@cis106:~$ mv website/assets/pexels-photo-15327232.jpeg website/assets/image.png
mebrinkmann@cis106:~$ mv website/assets/pexels-photo-5346060.jpeg website/assets/image2.png
mebrinkmann@cis106:~$ xdg-open website/index.html
gio: file:///home/mebrinkmann/website/index.html: Error when getting information for file “/home/mebrinkmann/website/index.html”: No such file or directory
mebrinkmann@cis106:~$ _
```

Practice 4

```
1: mebrinkmann@cis106: ~
```

```
mebrinkmann@cis106:~$ mkdir website/docs
mebrinkmann@cis106:~$ cp Downloads/sample
cp: missing destination file operand after 'Downloads/sample'
Try 'cp --help' for more information.
mebrinkmann@cis106:~$ cp Downloads/sample2.doc website/docs/
mebrinkmann@cis106:~$ cp Downloads/sample3.xls website/docs/
mebrinkmann@cis106:~$ cp Downloads/sample3.pdf website/docs/
mebrinkmann@cis106:~$ tree website/
website/
├── docs
│   ├── sample2.doc
│   ├── sample3.pdf
│   └── sample3.xls
```

```
1 directory, 3 files
mebrinkmann@cis106:~$ _
```