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course: cis 106
semester: spring 23
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WeekReport5

1. What are Command Options?

Command options are extra settings or modifications you can add to a command to change its behavior. They usually start with a hyphen (-) and are used to customize how a command operates. For example, in the command 1s -1, the -1 is an option that tells the 1s command to display detailed information about files.

2. What are Command Arguments?

Command arguments are the inputs you provide to a command to specify what it should operate on or how it should perform a task. For instance, in the command <code>cp file1.txt folder/</code>, <code>file1.txt and folder/</code> are arguments. They tell the <code>cp</code> command which file to copy and where to copy it.

3. Which command is used for creating directories? Provide at least 3 examples.

The mkdir command is used for creating directories. Here are three examples:

- Create a directory named "photos": mkdir data
- Create multiple directories named "cis116," "cis202," and "cis212": mkdir cis116 cis202
- Create a parent directory named "projects" with a subdirectory named "documents": mkdir p projects/documents

4. What does the touch command do? Provide at least 3 examples.

The touch command is used to create empty files or update the access and modification timestamps of existing files. Here are three examples:

- Create a new empty file named "notes.txt": touch notes.txt
- Update the timestamp of an existing file named "file1.txt": touch file1.txt
- Create multiple empty files named "file1," "file2," and "file3": touch file1 file2 file3

5. How do you remove a file? Provide an example.

The rm command is used to remove files. For example, to remove a file named "example.txt," you would use:

```
rm example.txt
```

6. How do you remove a directory, and can you remove non-empty directories in Linux? Provide an example.

To remove an empty directory, you can use the rmdir command. To remove a non-empty directory, you use the rm command with the -r option. For example:

- Remove an empty directory named "cis116": cis116
- Remove a non-empty directory named "cis202" and its contents: cis202

7. Explain the mv and cp command. Provide at least 2 examples of each.

- The my command is used to move or rename files and directories. Examples:
 - Move a file named "data.txt" to a directory named "documents": mv data.txt documents/
 - Rename a directory from "data" to "newdata": mv data newdata
- The cp command is used to copy files and directories. Examples:
 - Copy a file named "image.jpg" to pictures folder: cp image.jpg /pictures
 - Copy a directory named "root" and its contents to a new location: cp -r root/ newlocation/

Practices:

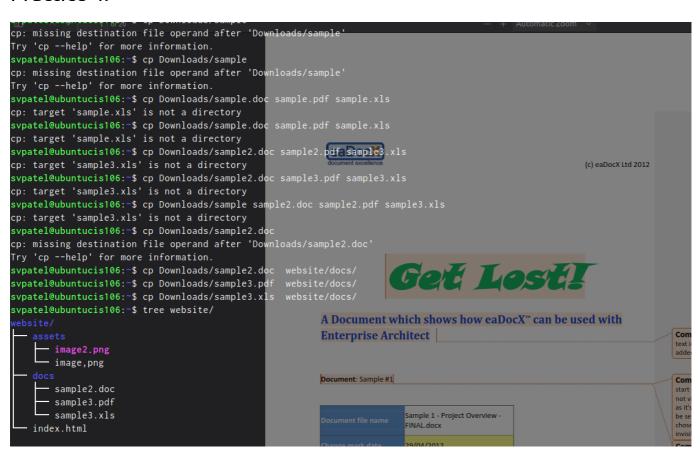
Practice 1:

Practice 2:

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svpatel@ubuntucis106:/usr/share$ mkdir ~/website
svpatel@ubuntucis106:/usr/share$ mkdir ~p ~/website/assets/images/small
svpatel@ubuntucis106:/usr/share$ touch ~/website/assets/images/small/logo.png
svpatel@ubuntucis106:/usr/share$ rm ~/website/assets/images/small/logo.png
rm: cannot remove '/home/svpatel/website/assets/images/small/logo.png': No such file or directory
svpatel@ubuntucis106:/usr/share$ touch ~/website/assets/images/small/logo.png
svpatel@ubuntucis106:/usr/share$ rm ~/website/assets/images/small/logo.png
svpatel@ubuntucis106:/usr/share$ em ~r ~/website/
em: command not found
svpatel@ubuntucis106:/usr/share$ rm ~r ~/website/
svpatel@ubuntucis106:/usr/share$ rm ~r ~/website/
svpatel@ubuntucis106:/usr/share$ rm ~r ~/website/
svpatel@ubuntucis106:/usr/share$ rm ~r ~/website/
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Practice 3:

Practice 4:



Completed