## Summary of File Related Linux Commands

Linux is a powerful operating system that is used by millions of people around the world. One of the most important aspects of Linux is its file system. The file system is a way of organizing and storing files on a computer.

There are many Linux commands, with extremely detailed explanations:

• Is - This command lists the contents of a directory.

The 1s command has many options, which can be used to control the output. Some of the most common options are:

```
* `-a` - List all files, including hidden files.

* `-l` - List files in long format, which includes the file permissions, owner, group, size, and last modified date.

* `-r` - List files in reverse order.

* `-t` - List files by time, with the most recently modified files first.

* `-u` - List files by user, with the files owned by the current user first.
```

For example, to list all files in the current directory, you would type 1s -a. To list all files in long format, you would type 1s -1. To list files in reverse order, you would type 1s -r. To list files by time, you would type 1s -t. To list files by user, you would type 1s -u.

pwd - This command prints the current working directory.

The pwd command does not have any options.

For example, to print the current working directory, you would type pwd.

· cd - This command changes the current working directory.

The cd command has many options, which can be used to change to a specific directory. Some of the most common options are:

```
* `..` - Change to the parent directory.

* `~` - Change to the home directory.

* `/` - Change to the root directory.
```

For example, to change to the parent directory, you would type cd . . . To change to the home directory, you would type cd / .

• mkdir - This command creates a new directory.

The mkdir command has one required argument, which is the name of the new directory.

For example, to create a new directory called my\_directory, you would type mkdir my\_directory.

• rmdir - This command removes an empty directory.

The rmdir command has one required argument, which is the name of the directory to be removed.

For example, to remove the empty directory my directory, you would type rmdir my directory.

· touch - This command creates an empty file.

The touch command has one required argument, which is the name of the new file.

For example, to create an empty file called my\_file, you would type touch my\_file.

• cp - This command copies a file or directory.

The cp command has many options, which can be used to control the copy operation. Some of the most common options are:

```
* `-a` - Copy all files, including hidden files and directories.
```

- \* `-r` Copy directories recursively, including all subdirectories and files.
- \* `-v` Verbose mode, which prints out a message for each file that is copied.

For example, to copy the file my\_file to the directory /tmp, you would type cp my\_file /tmp. To copy the directory my\_directory recursively to the directory /backup, you would type cp -r my\_directory /backup.

• mv - This command moves or renames a file or directory.

The mv command has many options, which can be used to control the move or rename operation. Some of the most common options are:

```
* `-f` - Force the move or rename operation, even if the destination file or directory already exists.
```

\* `-v` - Verbose mode, which prints out a message for each file that is moved or renamed.

For example, to move the file my file to the directory /tmp, you would type mv my file /tmp. To rename the file `