

Assignment -1

Q. What command will take you to your home directory?

A. `cd ~`

Q. How do you move to the /etc directory?

A. `cd /etc`

Q. List all files (including hidden ones) in the current directory.

A. `ls -a`

Q. Create a new directory named my_folder in your home directory.

A. `mkdir ~/my_folder`

Q. Rename the directory my_folder to my_documents.

A. `mv ~/my_folder ~/my_document`

Q. Delete a directory called test_folder (assume it's empty).

A. `rmdir test_folder`

Q. Create a new empty file named test.txt.

A. `touch test.txt`

Q. Copy test.txt to a file called test_backup.txt.

A. `cp test.txt test_backup.txt`

Q. Move test_backup.txt into a folder named backups.

A. `mv test_backup.txt backups/`

Q. Remove the file test.txt.

A. `rm test.txt`

Q. Use a command to view the contents of a file named notes.txt.

A. `cat notes.txt`

Q. Count the number of lines in the file notes.txt.

A. `wc -l notes.txt`

Q. Change the permissions of a file script.sh to make it executable.

A. `chmod +x script.sh`

Q. Display the permissions of all files in the current directory.

A. `ls -l`

Q. Change ownership of the file report.txt to user admin.

A. `sudo chown admin report.txt`

Q. Create a tar archive of your Documents folder named `documents_backup.tar`.

A. `tar -cvf documents_backup.tar ~/Documents`

Q. Extract a tar file named `code_archive.tar` into the current directory.

A. `tar -xvf code_archive.tar`

Q. Compress a file `log.txt` using `gzip`.

A. `gzip log.txt`

Q. Decompress a file `log.txt.gz`.

A. `gunzip log.tar.gz`

Q. List the contents of an archive file named `backup.tar.gz` without extracting it.

A. `tar -ztfv backup.tar.gz`

Q. Create a backup of your home directory named as today's date

A. `tar -cvf ~/${date +%F}.tar ~/`

Q. Copy that archive to the `/root` directory.

A. `sudo cp ~/${date +%F}.tar /root/`

Q. Extract the archive inside `/root`.

A. `tar -xvf /root/${date +%F}.tar -C /root/`

Q. What command is used to reboot a Linux system?

A. `sudo reboot`

Q. What command is used to shut down the system?

A. `sudo shutdown now`

Q. How do you log into the root account temporarily?

A. `sudo -i`

Q. What command installs a package using `apt`?

A. `sudo apt install <packageName>`

Q. How do you navigate to the parent directory from the current location?

A. `cd ..`

Q. How do you view all active users on the system?

A. `w`

Q. How do you check your current user?

A. `whoami`