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🐧 Linux Commands Guide



ASSIGNMENT 1 - PRACTINCING LINUX COMMMANDS

A quick reference to essential Linux commands with short explanations.



📌 1. pwd

Print Working Directory → shows the full path of your current location in the filesystem. Useful to confirm where you are before running other commands.



🖈 2. 1s

Lists files and directories in the current location.

Options like 1s -1 show details, and 1s -a shows hidden files.



* 3. cd

Change Directory → lets you move between folders.

Example: cd /home/user/Documents goes to the Documents folder.



4. mkdir

Make Directory \rightarrow creates a new folder in the current location.

Example: mkdir projects creates a folder named projects.



★ 5. touch

Creates an empty file or updates the timestamp of an existing one. Example: touch notes.txt makes a blank text file.

```
mukund@parrot
     $pwd
home/mukund
  [mukund@parrot]
                                                                       Videos
Desktop Downloads file2.txt Music Public
  mukund@parrot
    $cd linux
  [mukund@parrot]=[~/linux]
     $mkdir linux
  [mukund@parrot]-[~/linux]
    $1s
armstrong.sh array3.sh data1.txt data5.txt folder1 prime.sh array1.sh array4.sh data2.txt data6.txt folder2 sum_of_diarray2.sh array5.sh data3.txt data.txt linux
                                                                   sum_of_digits.sh
  [mukund@parrot]
     $touch a.txt
  [mukund@parrot]-
    $1s
armstrong.sh array3.sh a.txt
                array4.sh data1.txt data5.txt
array1.sh
                array5.sh data2.txt
                                                                     sum of digits.sh
rrav2.sh
                                           data6.txt
```

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Copy → duplicates files or directories.

Example: cp_file.txt backup.txt makes a copy named backup.txt.



★ 7. mv

Move \rightarrow shifts files between directories or renames them.

Example: mv old.txt new.txt renames old.txt to new.txt.



* 8. rm

Remove → deletes files or directories permanently.

Use with caution; rm -r folder/ deletes a folder and its contents.



♦ 9. cat

Concatenate → displays the contents of a file directly in the terminal.

Example: cat file.txt prints the text inside file.txt.



★ 10. nano

Opens the Nano text editor for creating or editing files. Example: nano file.txt allows editing file.txt inside the terminal.

```
[mukund@parrot]-[~/linux]
   $cp data.txt a.txt
  [mukund@parrot] - [~/linux]
   $mv data1.txt data2.txt
  [mukund@parrot]-[~/linux]
   - $rm a.txt
  [mukund@parrot]-[~/linux]
   $cat data1.txt
cat: data1.txt: No such file or directory
    -[mukund@parrot]-[~/linux]
    $15
armstrong.sh array3.sh data2.txt data6.txt folder2
                                                        sum_of_digits.sh
             array4.sh data3.txt data.txt
array1.sh
             array5.sh data5.txt folder1
                                              prime.sh
array2.sh
  [mukund@parrot]-[~/linux]
   $cat data2.txt
au65kulyoiuthivu
  -[mukund@parrot]-[~/linux]
```

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? Extra Questions & Answers

Q1: What is the difference between chmod and chown?

- **chmod** → changes **permissions** (who can read, write, or execute a file).
- **chown** → changes **ownership** (which user or group owns the file).

Q2: How do you check the current directory and user?

• To check the current directory, use:

pwd

• To check the current user, use:

whoami