05. Navigation

commands

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commands

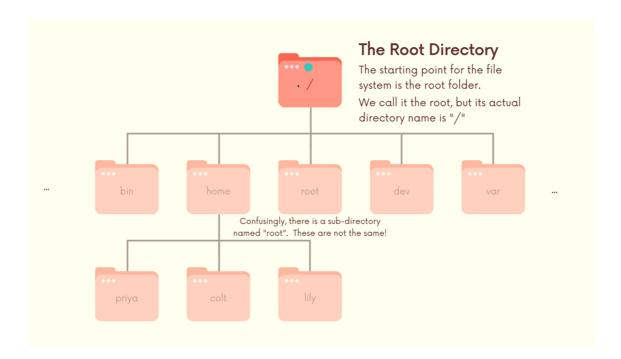
command	application
xdg-open /	open graphical file system from root directory
xdg-open ~	open graphical file system from home directory
pwd	prints the path of current working directory starting from the root
ls	list the contents of current directory
ls <direcotry_path></direcotry_path>	list the contents of passed directory
cd <dir_name></dir_name>	move to passed directory
cd/	move back one directory above

01. What actually matters in this section

we will explore file systems and navigations.

02. The Root directory

- The root directory is a top-level folder. It is the starting point of the file system for the root folder. It is not having a name but just a solution as naming.
- There is a separate directory called root as a sub-directory of the root directory .
- the file structure in ubuntu:



03. The Home Directory

- /home contains a home folder for each user on the system. For example, my home folder is located at /home/pank
- Anything related to a specific user is inside of home/dirname
- Both root directory and home directory have their own shorthands.
- root directory

• -: home directory

04. PWD

- The command prints the working directory
- prints the path of the current working directory starting from the root

05. Using Is

• It prints lists of fields of the contents of a directory.

06. Helpful options for Is

- 1s -1: prints in a long listing format. Shows far more information about each file/folder.
- ls -a: prints hidden files as well which begins with...
- ls -la: prints detailed information including hidden files which begins with.

07. Changing directories with cd

- The cd command is used to change the current working directory, "moving" into another directory.
- we can use cd .../ to move to one level up directory

08. Relative vs Absolute paths

Relative paths

 Relative paths are paths that specify a directory/file relative to the current directory.

- The path we use as relative is only usable from the directory level
- example: Suppose I'm in directory pank>folder1 which has folders f1, f2, f3 then to move to any of them by cd f1/f2/f3. But if I'm outside of pank>folder1 then it can't be done since the previous path was relative to the directory I was working with.

Absolute paths

- Absolute paths start from the root directory //
- Since these paths start from the root directory it can be relevant to use from any directory from the system
- example: to go to folder1 which is on pank>desktop>folders

```
cd /home/pank/desktop/folders/folder1
```

09. Overview of other folders

- Inside of bin there are binary commands like man, PWD, Is
- inside of etc there are configuration files and initialization scripts
- inside of media there are attachable media contents and configs
- inside of var there are logs, caches, and other related files
- inside of root it is accessible for superusers only. It is the home folder the superuser
- inside of usr there are lots of executable files which contains files which is related to the installed programs