# Linux Command Activities

## Activity-1 → ls command options

Using man ls, here are the explanations for the flags mentioned:

- ls -b → Prints non-printable characters in file names as octal escape sequences (\xxx).

- ls -c → Sorts files by ctime (last status change) instead of modification time. Also affects -lt.

- ls -d → Lists only directory entries themselves, not their contents (e.g., ls -d /etc just shows /etc).

- ls -e → On some systems, shows access control list (ACL) info (like ls -l --time=atime).

- ls -f → Displays directory contents unsorted (as they are stored). Also implies -a (show hidden files).

- ls -z → Shows SELinux security context for files (useful in security-enabled systems).

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### Other commands to explore (run on terminal):

- whoami → Prints your current logged-in username.

- pwd → Shows the current working directory.

- cd → Changes directory.

- cd / → Moves you to the root directory.

- cd .. → Moves you one level up (to the parent directory).

- cd <path> → Moves you to the specified path.

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## Activity-2 → tree command options

Using man tree:

- tree -a → Shows all files including hidden ones (those starting with .).

- tree -d → Lists only directories.

- tree -u → Shows the file owner’s username.

- tree -p → Shows permissions (rwx) for each file/directory.