# Experiment 1:- Practice basic bash commands ,I/O redirection and directory operations.

| Command | Example | Description |
|---|---|---|
| ls | ls | List files in current directory. |
| | ls .. | List files of previous directory. |
| | | List all file in current directory including hidden files. |
| | ls -a | List files with information about them. |
| | ls -l | |
| pwd | pwd | Print the path of working directory, starting from root |
| cd | cd [direct_1] | To move inside subdirectory[direct_1] or change working directory to [direct_1]. |
| | cd / | Change directory to root directory. |
| | cd ~ (or cd) | Change directory to home directory. |
| | cd .. | Move to parent directory of present directory. |

| Command | Example | Description |
| --- | --- | --- |
| mkdir | mkdir [directories..] | Create [directories..] or folders in current directory. |
| | mkdir -v[direct..] | It displays a message for every directory created. |
| | mkdir –p[direct.] | To create parent directories as necessary. If direct. exist, no error is specified. |
| | mkdir -m a=r fs | '-m' is used to set modes i.e permissions, here 'a=r' is mode for fs directory. |
| rmdir | rmdir [directories] | Remove the directories if they are empty. |
| rm | rm [files..] | Remove files or directories (by default it does not remove directories) |
| | rm -i [files..] | Confirm from user before deletion. |
| | rm -f [files..] | Remove files by force. |
| | rm -r [directory] | Remove all files and sub-directories recursively. |
| cp | cp [surc_files] [destination] | Copy the source file to destination. |
| | cp -i file1 file2 | Confirm before copying file1 content to file2. |
| | cp -r Dir1 Dir2 | Copy all content of Dir1 to Dir2. |
| | cp *.txt Destination | Copy all items of .txt format to Destination |