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

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| **Command** | **Example** | **Description** |
| ls | ls  ls ..  ls -a  ls -l | List files in current directory.  List files of previous directory.  List all file in current directory including hidden files.  List files with information about them. |
| pwd | pwd | Print the path of working directory, starting from root |
| cd | cd [direct\_1]  cd /  cd ~ (or cd)  cd .. | To move inside subdirectory[direct\_1] or change working directory to [direct\_1].  Change directory to root directory.  Change directory to home directory.  Move to parent directory of present directory. |

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