FILE ACCESS, PERMISSIONS
create a folder of your name
create files with content inside it
do a long listing to view details of the file → ls -l one.txt

permissions (-rw-r--r--)
- (dash) → it is a regular file
rw- → user permissions
r-- → group permissions (- means no execute permissions)

change the permissions of the files 700 → 4,2,1 → read write execute
chmod 700 one.txt

-rwx------ → 7 → for user, 0 0 group and others

-rwx------. 1 student student 6 Sep 24 09:46
1 no symbolic links

STAT → gives more info like modification time etc
stat one.txt

cat adds to the existing file, vi recreates the files

display only one info in stat
stat -c %y one.txt → -c is format, %y only date and time
stat -c %x one.txt → %x means last access time

show hidden files → ls -a
ls -l -a

combining options → ls -la

DIRECTORY ACCESS ETC
create new directory
directory by default has execute permissions

remove execute permissions → chmod 600 dir1 → wont let us go to the dir
give back permissions
create file in another directory using path
touch dir1/two.txt

look at the long listing of the files in child directory from parent dir
ls -l dir1

in parent, give rw no execute for directory
chmod 600 dir1
chmod 300 → remove read keep w,x

give and remove permissions for files and dirs
chmod o+wx

RECURSIVE
chmod -R 700 → entire path undergoes change

UMASK

0022 → w masked off for group and others
change mask to 0011 → umask 0011