

## Most important Linux command

### Pwd

(present working directory):

```
noor@noor-VirtualBox:~$ pwd
/home/noor
noor@noor-VirtualBox:~$
```

### mkdir

It used to make a new directory

### ls

it used to see the files and the dir

```
noor@noor-VirtualBox:~$ mkdir file
noor@noor-VirtualBox:~$ ls
Desktop  Downloads  Music      Pictures  snap      Videos
Documents file       noor.txt  Public    Templates
```

### cd

It used to choose the directory

```
noor@noor-VirtualBox:~$ cd file
noor@noor-VirtualBox:~/file$
```

### touch

It is used to make a new file.

```
noor@noor-VirtualBox:~$ touch file.txt
noor@noor-VirtualBox:~$ ls
Desktop  Downloads  Music      Public  Templates
Documents file.txt   Pictures    snap    Videos
noor@noor-VirtualBox:~$
```

## mv

It used to change the file name or to move the file to new dir

```
noor@noor-VirtualBox:~$ mv file.txt noor.txt
noor@noor-VirtualBox:~$ ls
Desktop  Downloads  noor.txt  Public  Templates
Documents Music      Pictures  snap    Videos
```

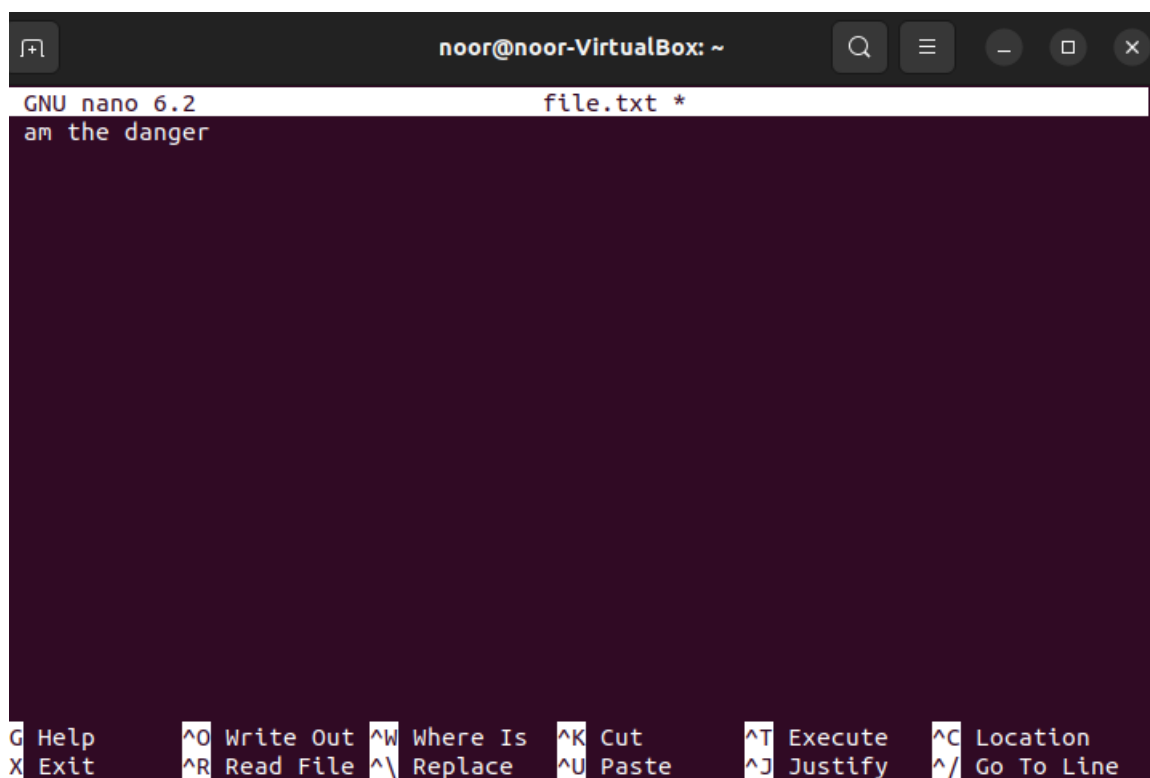
## cat

It used to see the content of the file

## nano

It used to edit in the file

```
noor@noor-VirtualBox:~$ cat file.txt
noor@noor-VirtualBox:~$ nano file.txt
noor@noor-VirtualBox:~$
noor@noor-VirtualBox:~$ cat file.txt
I am the danger
noor@noor-VirtualBox:~$
```



```
noor@noor-VirtualBox: ~
GNU nano 6.2 file.txt *
am the danger

G Help      ^O Write Out ^W Where Is  ^K Cut      ^T Execute  ^C Location
X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify  ^_ Go To Line
```

>

It used to redirect something from file to another file

```
noor@noor-VirtualBox:~$ cat file2.txt
noor@noor-VirtualBox:~$ cat file.txt
i am the danger
i am noor

noor@noor-VirtualBox:~$ cat file1.txt > file2.txt
cat: file1.txt: No such file or directory
noor@noor-VirtualBox:~$ cat file.txt > file2.txt
noor@noor-VirtualBox:~$ cat file2.txt
i am the danger
i am noor
```

## echo

it allows users to display texts and string

```
noor@noor-VirtualBox: ~
noor@noor-VirtualBox:~$ echo noor
noor
noor@noor-VirtualBox:~$
```

&>

redirect error to another file

```
noor@noor-VirtualBox:~$ catt file.txt &> err.txt
noor@noor-VirtualBox:~$ cat err.txt
Command 'catt' not found, did you mean:
  command 'catty' from deb node-catty (0.1.0-1)
  command 'catm' from deb mescc-tools (1.3-2)
  command 'ratt' from deb ratt (0.0~git20190123.9e77a6d-1)
  command 'cat' from deb coreutils (8.32-4.1ubuntu1)
Try: sudo apt install <deb name>
```

## grep

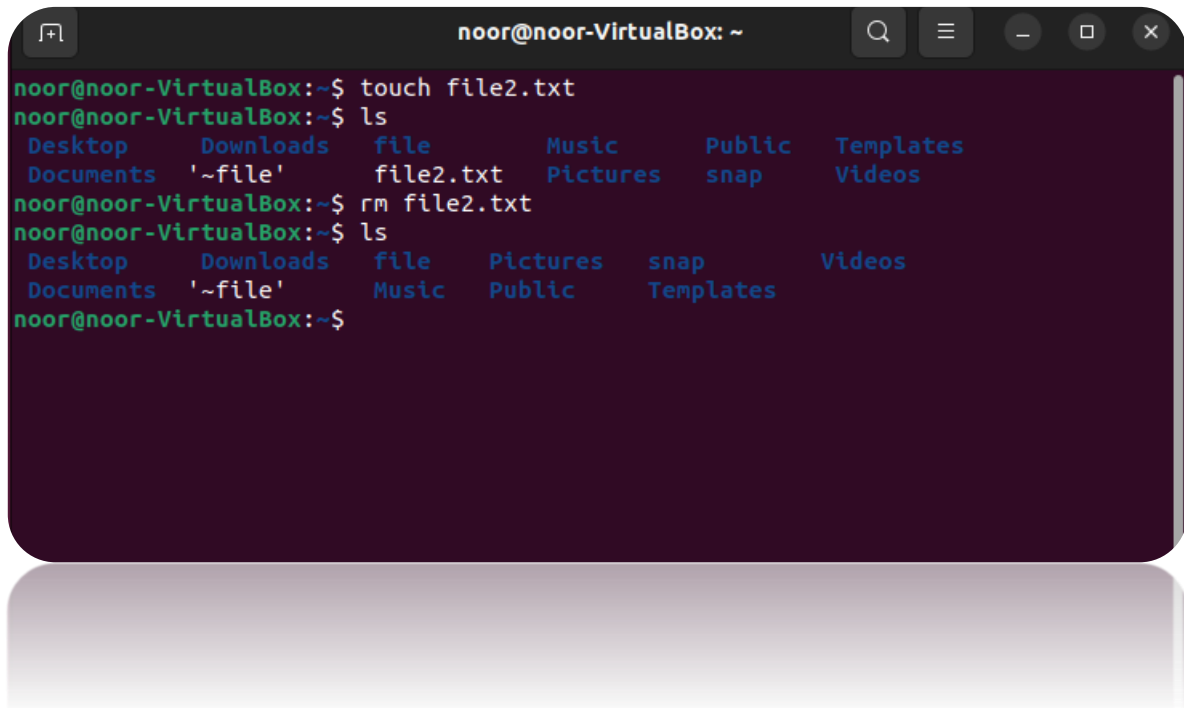
it used to find and search for specific feature in the text file content

```
noor@noor-VirtualBox:~$ cat file.txt
i am the danger
i am noor

noor@noor-VirtualBox:~$ grep "i" file.txt
i am the danger
i am noor
noor@noor-VirtualBox:~$
```

**rm**

it used to delete file

A terminal window titled "noor@noor-VirtualBox: ~" with standard window controls. The terminal shows a sequence of commands: "touch file2.txt", "ls", "rm file2.txt", and "ls" again. The output of the first "ls" command lists directories like Desktop, Downloads, Documents, and files like file, file2.txt, Music, Pictures, Public, snap, Templates, and Videos. The second "ls" command shows the same list but without file2.txt, confirming its deletion.

```
noor@noor-VirtualBox:~$ touch file2.txt
noor@noor-VirtualBox:~$ ls
Desktop    Downloads  file       Music      Public    Templates
Documents  '~file'   file2.txt  Pictures   snap      Videos
noor@noor-VirtualBox:~$ rm file2.txt
noor@noor-VirtualBox:~$ ls
Desktop    Downloads  file       Pictures   snap      Videos
Documents  '~file'   Music      Public     Templates
noor@noor-VirtualBox:~$
```