



# Linux Commands

```
$ mkdir LinuxAssignment  
$ ls -l
```

```
//to show the result in terminal itself  
//main use is concatenation  
cat lower.txt
```

```
//change the permission of file  
//first it was like  
-rw-r--r-- 1 cdac  cdac   0 Aug 28 19:02 file3.txt  
//after the command  
chmod g+x file3.txt  
-rw-r-xr-- 1 cdac  cdac   0 Aug 28 19:02 file3.txt  
x - executes  
r - read  
w - write  
0 - others  
U- owner
```

G - group  
A - all user

```
$ touch file1.txt  
// this command also use to create file but time stamp.
```

```
//for rename  
mv <oldname.txt> <newname.txt>
```

```
cdac@Udayraj:~$ ls  
LinuxAssignment  udayraj  
cdac@Udayraj:~$ cd LinuxAssignment/  
cdac@Udayraj:~/LinuxAssignment$ ls  
docs  
cdac@Udayraj:~/LinuxAssignment$ touch file2.txt  
cdac@Udayraj:~/LinuxAssignment$ cp file2.txt docs/  
cdac@Udayraj:~/LinuxAssignment$ cd docs/  
cdac@Udayraj:~/LinuxAssignment/docs$ ls  
file1.txt  file2.txt  
cdac@Udayraj:~/LinuxAssignment/docs$
```

```
to find in repository  
find -name file2.txt  
-> ./docs/file2.txt
```

```
//to find all .txt related files in certain folder folder pat
```

```
-> find /home/cdac/LinuxAssignment -name *.txt
```

```
//to print only first 2 line in the terminal
```

```
-> head -2 file1.txt
```

```
//to print ip address
ifconfig
//and after to show ping use

ping <use ip address>
```

```
//to find/search a certain word in file
grep -w "try hard" file1.txt
try hard
```

```
//to find date and time

-> date
```

```
//to compress to zip
zip -r docs.zip docs
zip -r <newfileName> <target file>
```

```
operator < and |
```

```
// to uppercase to lowercase file information
tr '[:upper:]' '[:lower:]' < upper.txt > lower.txt
upper and lower are a class
```

```
//to change the owner of file
sudo chown user2 file2.txt
```

```
//sort and give highest occurrence word in top
output:cdac@Udayraj:~/LinuxAssignment$ sort fruits.txt | uniq
1 banana
2 blueberry
1 grapes
1 mango
```

```
1 pineapple
```

```
sort fruits.txt | uniq -c
```

```
-----
```

```
sort fruits.txt | uniq
```

```
banana
```

```
blueberry
```

```
grapes
```

```
mango
```

```
pineapple
```