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Roll No. : 2021-CS-187

3. cat command is used to view the contents of a file.

First file :

```
saqib@saqib-VirtualBox:~/os lab tasks$ cat a.txt
1
2
3
4
5
6
7
8
9
10
```

Second File :

```
saqib@saqib-VirtualBox:~/os lab tasks$ cat b.txt
11
12
13
14
15
16
17
18
19
20
```

Code for joining two files : cat file1.txt >> file2.txt

After combining two files :

```
saqib@saqib-VirtualBox:~/os lab tasks$ cat newfile.txt
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
```

First two lines of first file :

```
saqib@saqib-VirtualBox:~/os lab tasks$ cat a.txt
1
2
```

last two lines of second file :

```
19
20
```

For finding a string :

Code : grep "String name " filename.txt

```
saqib@saqib-VirtualBox:~/os lab tasks$ grep "11" a.txt
11
```

For Granting permission to the to the group for 2nd file to execute :

```
saqib@saqib-VirtualBox:~/os lab tasks$ chmod g+x b.txt
```

After granting permission check how many people have or watching :

```
saqib@saqib-VirtualBox:~/os lab tasks$ ls -l b.txt
-rw-rwxr-- 1 saqib saqib 30 14:03 26 جنوری b.txt
```

For removing the write permission for the owner for 2nd file :

```
saqib@saqib-VirtualBox:~/os lab tasks$ chmod u-w b.txt
```

For checking where the user is currently working :

```
saqib@saqib-VirtualBox:~/os lab tasks$ pwd
/home/saqib/os lab tasks
```

For Seeing the all files on desktop Directory first we have to move on to the desktop directory and then by using **ls –a** command we will list all the files of Desktop

```
saqib@saqib-VirtualBox:~/os lab tasks$ cd ~/Desktop
saqib@saqib-VirtualBox:~/Desktop$ ls -a
.    ..   'Folder 1'  'Folder 2'  'Folder 3'
```

For making the folder we will use **mkdir** command :

```
saqib@saqib-VirtualBox:~/Desktop$ mkdir 2021-CS-187
saqib@saqib-VirtualBox:~/Desktop$ cd 2021-CS-187
saqib@saqib-VirtualBox:~/Desktop/2021-CS-187$
```