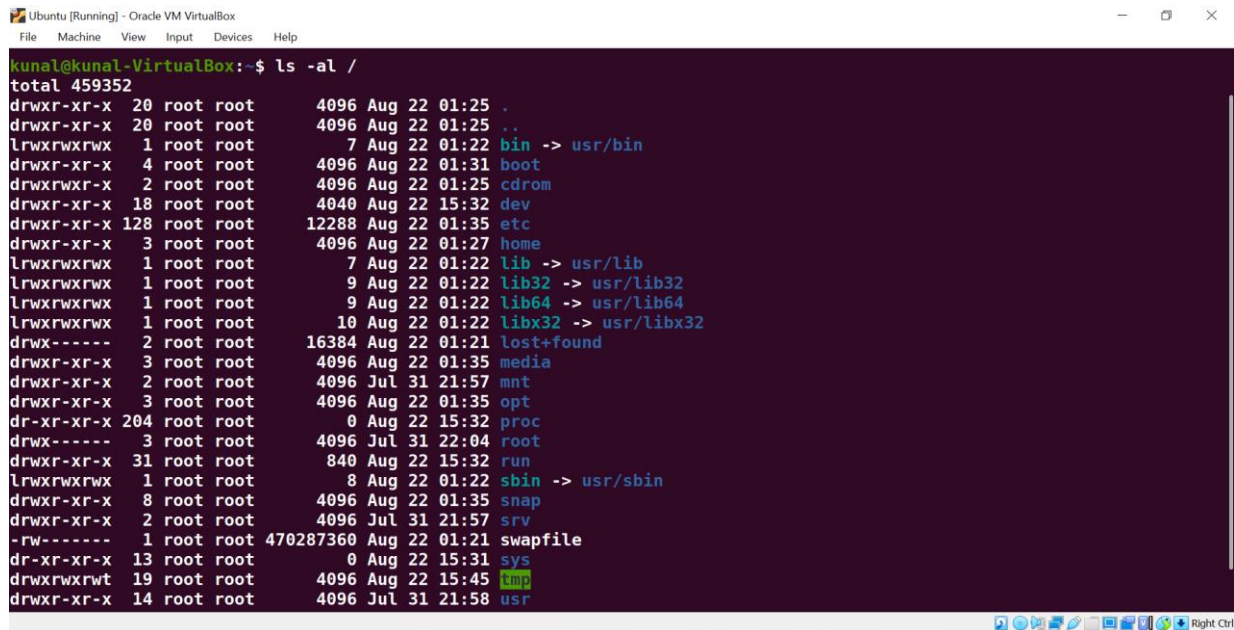


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UNIX Commands – Practical

1. 'ls' command-



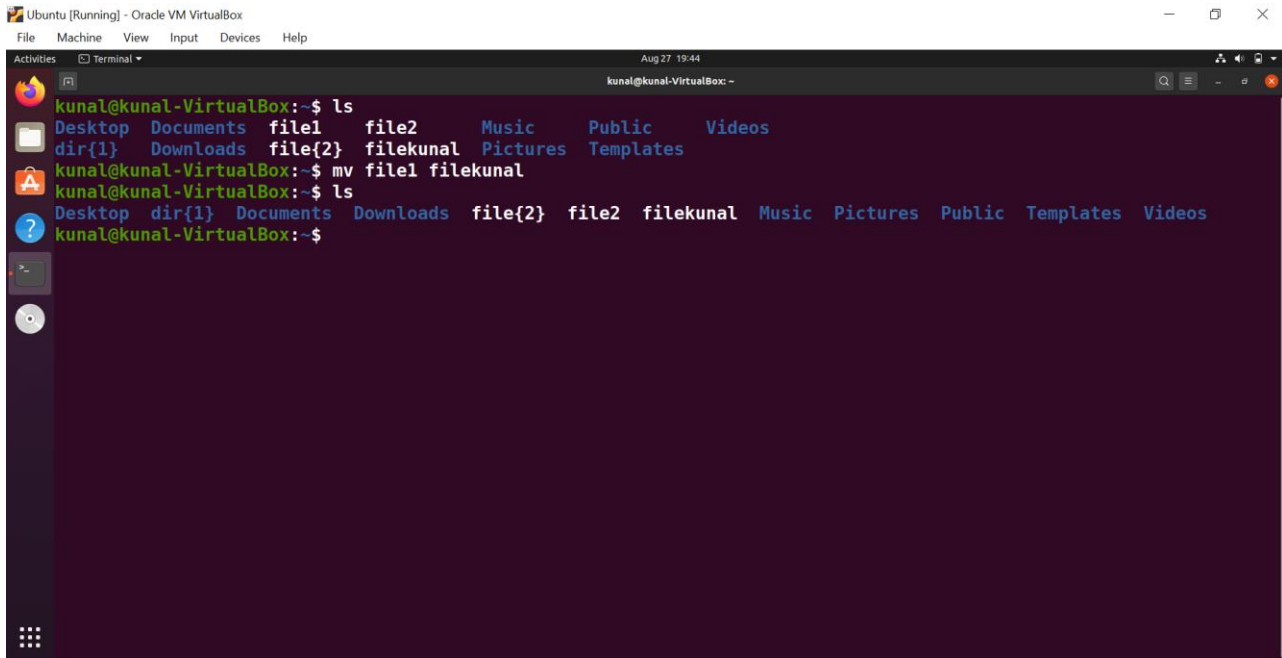
```
kunal@kunal-VirtualBox:~$ ls -al /
total 459352
drwxr-xr-x 20 root root      4096 Aug 22 01:25 .
drwxr-xr-x 20 root root      4096 Aug 22 01:25 ..
lrwxrwxrwx 1 root root         7 Aug 22 01:22 bin -> usr/bin
drwxr-xr-x 4 root root      4096 Aug 22 01:31 boot
drwxrwxr-x 2 root root      4096 Aug 22 01:25 cdrom
drwxr-xr-x 18 root root     4040 Aug 22 15:32 dev
drwxr-xr-x 128 root root    12288 Aug 22 01:35 etc
drwxr-xr-x 3 root root      4096 Aug 22 01:27 home
lrwxrwxrwx 1 root root         7 Aug 22 01:22 lib -> usr/lib
lrwxrwxrwx 1 root root        10 Aug 22 01:22 lib32 -> usr/lib32
lrwxrwxrwx 1 root root        10 Aug 22 01:22 lib64 -> usr/lib64
lrwxrwxrwx 1 root root        10 Aug 22 01:22 libx32 -> usr/libx32
drwx----- 2 root root    16384 Aug 22 01:21 lost+found
drwxr-xr-x 3 root root      4096 Aug 22 01:35 media
drwxr-xr-x 2 root root      4096 Jul 31 21:57 mnt
drwxr-xr-x 3 root root      4096 Aug 22 01:35 opt
dr-xr-xr-x 204 root root      0 Aug 22 15:32 proc
drwx----- 3 root root     4096 Jul 31 22:04 root
drwxr-xr-x 31 root root      840 Aug 22 15:32 run
lrwxrwxrwx 1 root root         8 Aug 22 01:22 sbin -> usr/sbin
drwxr-xr-x 8 root root      4096 Aug 22 01:35 snap
drwxr-xr-x 2 root root      4096 Jul 31 21:57 srv
-rw----- 1 root root 470287360 Aug 22 01:21 swapfile
dr-xr-xr-x 13 root root      0 Aug 22 15:31 sys
drwxrwxrwt 19 root root     4096 Aug 22 15:45 tmp
drwxr-xr-x 14 root root      4096 Jul 31 21:58 usr
```

2. 'cp' command-



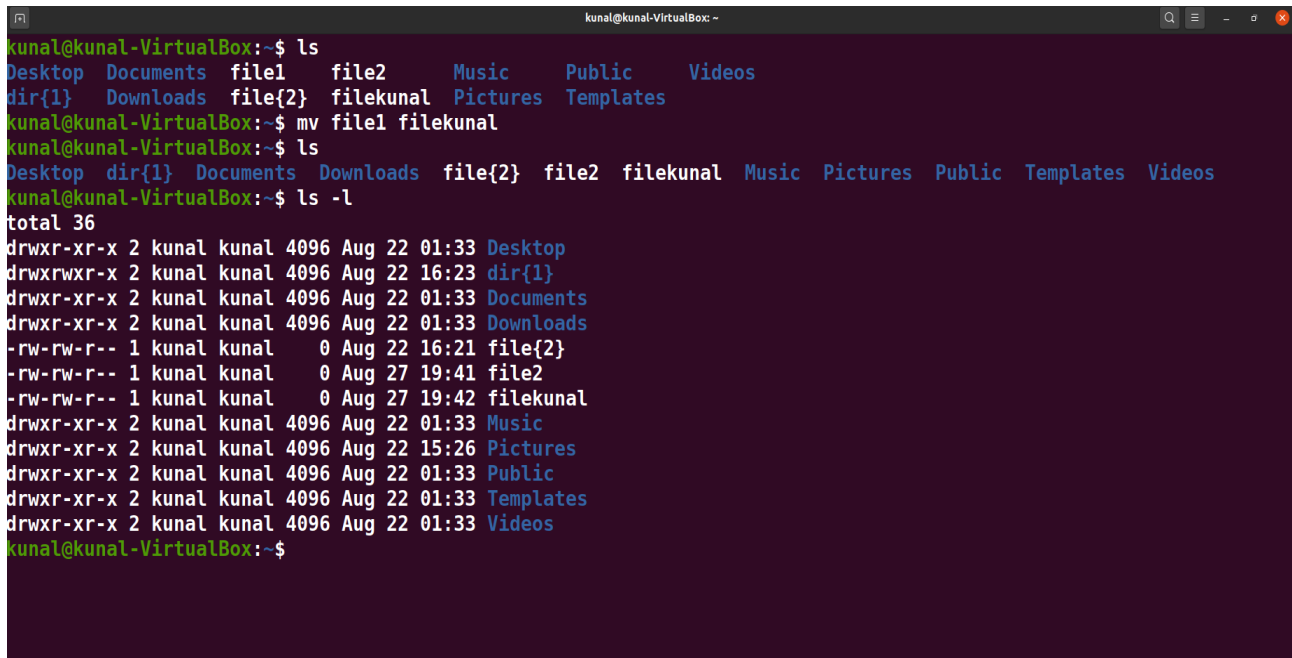
```
kunal@kunal-VirtualBox:~$ touch file1
kunal@kunal-VirtualBox:~$ ls
Desktop  Documents  file1      file2  Pictures  Templates
dir{1}   Downloads  file{2}    Music  Public    Videos
kunal@kunal-VirtualBox:~$ cp file1 filekunal
kunal@kunal-VirtualBox:~$ ls
Desktop  Documents  file1      file2  Music     Public    Videos
dir{1}   Downloads  file{2}    filekunal  Pictures  Templates
kunal@kunal-VirtualBox:~$
```

3. 'mv' command-



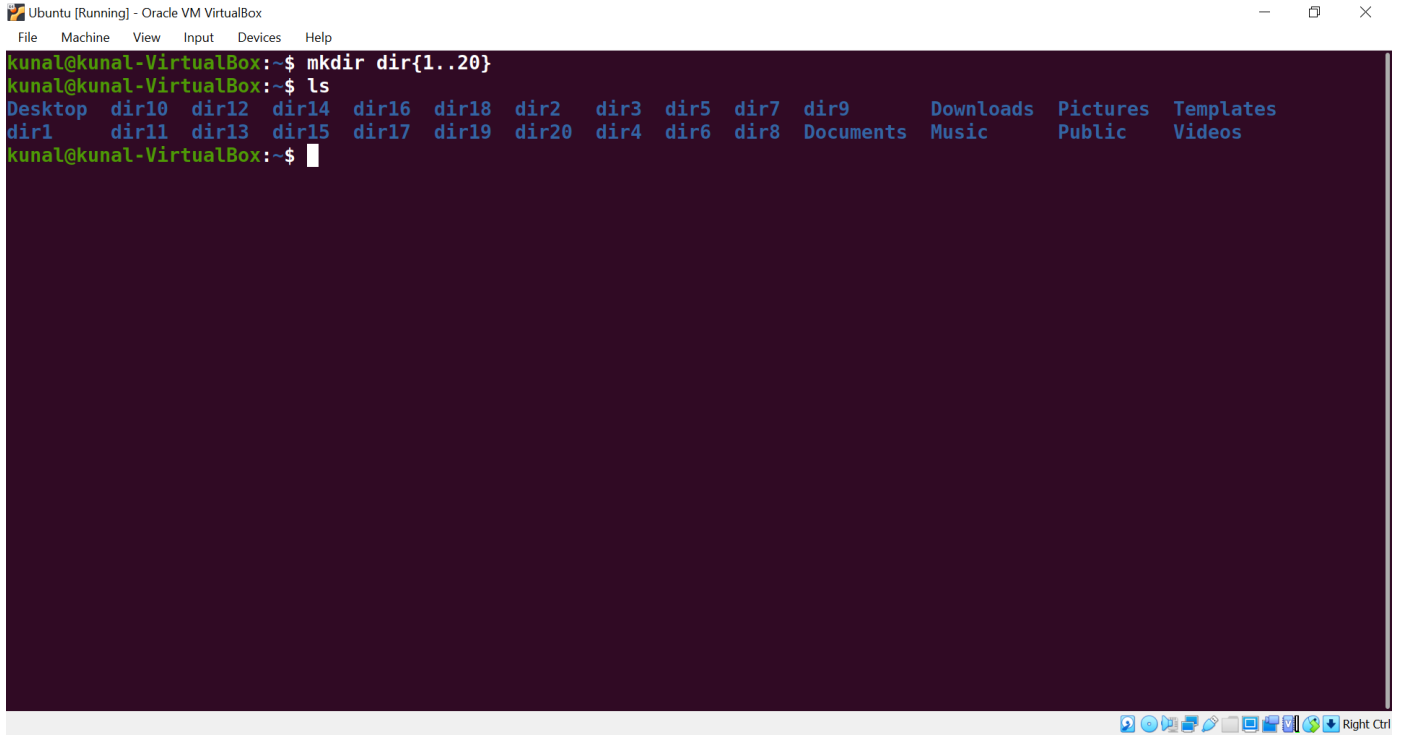
```
Ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Aug 27 19:44
kunal@kunal-VirtualBox: ~
kunal@kunal-VirtualBox:~$ ls
Desktop  Documents  file1    file2    Music    Public    Videos
dir{1}  Downloads  file{2}  filekunal Pictures Templates
kunal@kunal-VirtualBox:~$ mv file1 filekunal
kunal@kunal-VirtualBox:~$ ls
Desktop dir{1} Documents Downloads file{2} file2 filekunal Music Pictures Public Templates Videos
kunal@kunal-VirtualBox:~$
```

4. 'Chmod' command-



```
kunal@kunal-VirtualBox: ~
kunal@kunal-VirtualBox:~$ ls
Desktop  Documents  file2    Music    Public    Videos
dir{1}  Downloads  file{2}  filekunal Pictures Templates
kunal@kunal-VirtualBox:~$ mv file1 filekunal
kunal@kunal-VirtualBox:~$ ls
Desktop dir{1} Documents Downloads file{2} file2 filekunal Music Pictures Public Templates Videos
kunal@kunal-VirtualBox:~$ ls -l
total 36
drwxr-xr-x 2 kunal kunal 4096 Aug 22 01:33 Desktop
drwxrwxr-x 2 kunal kunal 4096 Aug 22 16:23 dir{1}
drwxr-xr-x 2 kunal kunal 4096 Aug 22 01:33 Documents
drwxr-xr-x 2 kunal kunal 4096 Aug 22 01:33 Downloads
-rw-rw-r-- 1 kunal kunal   0 Aug 22 16:21 file{2}
-rw-rw-r-- 1 kunal kunal   0 Aug 27 19:41 file2
-rw-rw-r-- 1 kunal kunal   0 Aug 27 19:42 filekunal
drwxr-xr-x 2 kunal kunal 4096 Aug 22 01:33 Music
drwxr-xr-x 2 kunal kunal 4096 Aug 22 15:26 Pictures
drwxr-xr-x 2 kunal kunal 4096 Aug 22 01:33 Public
drwxr-xr-x 2 kunal kunal 4096 Aug 22 01:33 Templates
drwxr-xr-x 2 kunal kunal 4096 Aug 22 01:33 Videos
kunal@kunal-VirtualBox:~$
```

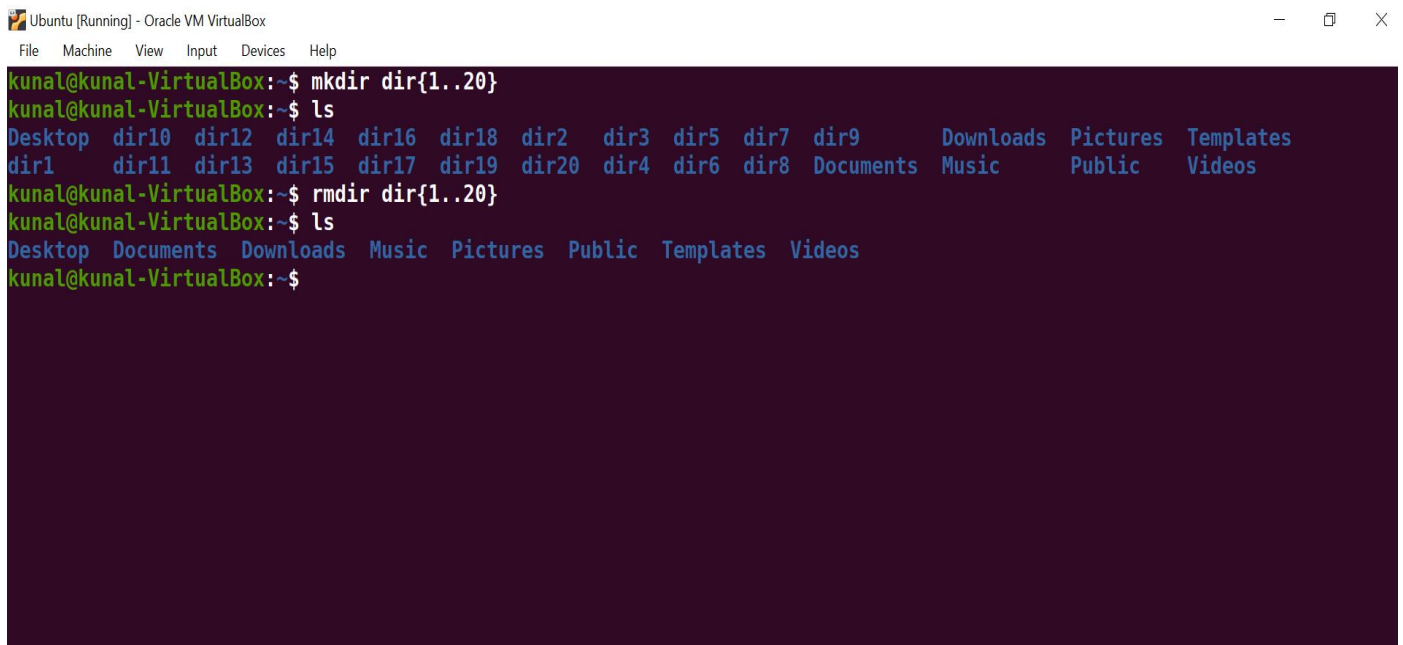
5. 'mkdir' command-



The screenshot shows a terminal window titled "Ubuntu [Running] - Oracle VM VirtualBox". The terminal output is as follows:

```
kunal@kunal-VirtualBox:~$ mkdir dir{1..20}
kunal@kunal-VirtualBox:~$ ls
Desktop  dir10  dir12  dir14  dir16  dir18  dir2   dir3   dir5   dir7   dir9   Downloads  Pictures  Templates
dir1     dir11  dir13  dir15  dir17  dir19  dir20  dir4   dir6   dir8   Documents  Music      Public    Videos
kunal@kunal-VirtualBox:~$
```

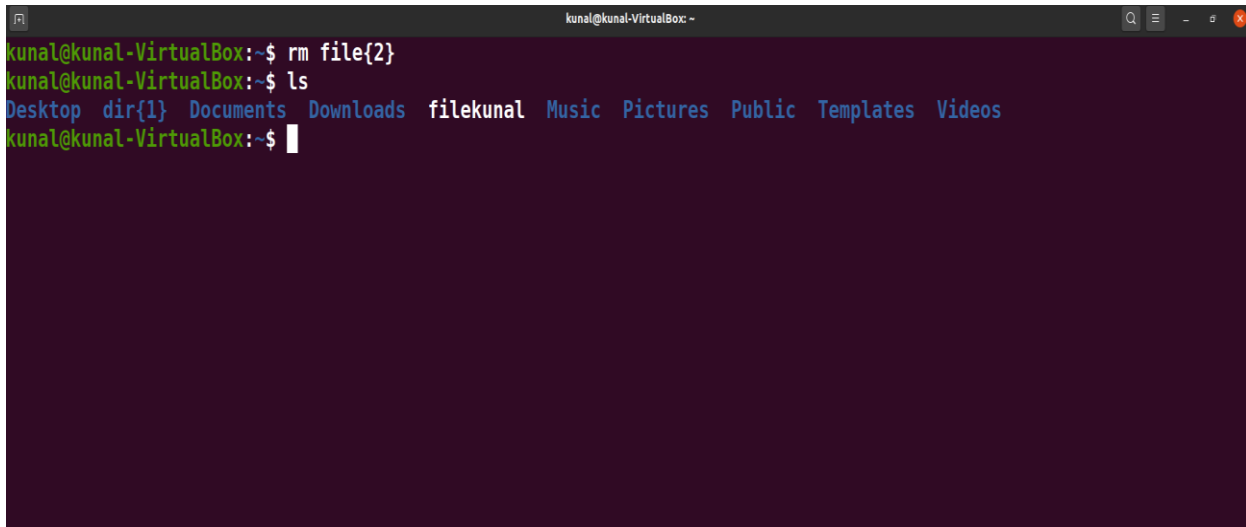
6. 'rmdir' command-



The screenshot shows a terminal window titled "Ubuntu [Running] - Oracle VM VirtualBox". The terminal output is as follows:

```
kunal@kunal-VirtualBox:~$ mkdir dir{1..20}
kunal@kunal-VirtualBox:~$ ls
Desktop  dir10  dir12  dir14  dir16  dir18  dir2   dir3   dir5   dir7   dir9   Downloads  Pictures  Templates
dir1     dir11  dir13  dir15  dir17  dir19  dir20  dir4   dir6   dir8   Documents  Music      Public    Videos
kunal@kunal-VirtualBox:~$ rmdir dir{1..20}
kunal@kunal-VirtualBox:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
kunal@kunal-VirtualBox:~$
```

7. 'rm' command-



```
kunal@kunal-VirtualBox: ~$ rm file{2}
kunal@kunal-VirtualBox: ~$ ls
Desktop  dir{1}  Documents  Downloads  filekunal  Music  Pictures  Public  Templates  Videos
kunal@kunal-VirtualBox: ~$
```

8. 'cd' command-



```
kunal@kunal-VirtualBox: ~$ cd Desktop
kunal@kunal-VirtualBox: ~/Desktop$
```

9. 'pwd' command-

```
kunal@kunal-VirtualBox: ~/Desktop
kunal@kunal-VirtualBox:~/Desktop$ pwd
/home/kunal/Desktop
kunal@kunal-VirtualBox:~/Desktop$
```

10. 'cat' command-

```
kunal@kunal-VirtualBox: ~/Desktop
kunal@kunal-VirtualBox:~/Desktop$ cat > abc.txt
^[[A^[[A^[[A^[[A^[[B^[[B^[[B^[[B^[[A^[[A^[[B^[[A
```

11. 'grep' command-

```
kunal@kunal-VirtualBox: ~$ cd Desktop
kunal@kunal-VirtualBox:~/Desktop$ grep -c "unix" abc.txt
0
kunal@kunal-VirtualBox:~/Desktop$ grep -o "unix" abc.txt
kunal@kunal-VirtualBox:~/Desktop$ grep -o "unix" abc.txt
kunal@kunal-VirtualBox:~/Desktop$ grep -c "unix" abc.txt
0
kunal@kunal-VirtualBox:~/Desktop$ grep -c "unix" abc.txt
0
kunal@kunal-VirtualBox:~/Desktop$
```

12. 'passwd' command-

```
kunal@kunal-VirtualBox:~$ passwd
Changing password for kunal.
Current password:
New password:
Retype new password:
You must choose a longer password
New password:
Retype new password:
passwd: password updated successfully
kunal@kunal-VirtualBox:~$
```

13. 'who' command-



The screenshot shows a terminal window titled "kunal@kunal-VirtualBox: ~/Desktop". The prompt is "kunal@kunal-VirtualBox:~/Desktop\$". The command "who" has been entered, and the output is "kunal :0 2020-08-27 19:28 (:0)". The prompt is now "kunal@kunal-VirtualBox:~/Desktop\$".

```
kunal@kunal-VirtualBox:~/Desktop$ who
kunal :0 2020-08-27 19:28 (:0)
kunal@kunal-VirtualBox:~/Desktop$
```