

1. whoami → Display the username

```
sayeum@sayeum:~$ whoami
sayeum
sayeum@sayeum:~$
```

2. hostname → Displays the hostname

```
sayeum@sayeum:~$ hostname
sayeum
sayeum@sayeum:~$
```

3. ls → Displays the list of directories

```
sayeum@sayeum:~$ ls
Desktop Documents Downloads Music new Pictures Public sayeum snap Templates Videos
sayeum@sayeum:~$
```

4. ls -la → Displays the list of directories including hidden files and other details

```
sayeum@sayeum:~$ ls -la
total 104
drwxr-x--- 16 sayeum sayeum 4096 Sep 28 20:39 .
drwxr-xr-x  3 root   root   4096 Sep  4 16:05 ..
-rw-----  1 sayeum sayeum 4318 Sep 26 11:19 .bash_history
-rw-r--r--  1 sayeum sayeum  220 Sep  4 16:05 .bash_logout
-rw-r--r--  1 sayeum sayeum 3771 Sep  4 16:05 .bashrc
drwx----- 11 sayeum sayeum 4096 Sep 22 13:06 .cache
drwx----- 11 sayeum sayeum 4096 Sep  7 22:44 .config
drwxr-xr-x  2 sayeum sayeum 4096 Sep 22 13:13 Desktop
drwxr-xr-x  2 sayeum sayeum 4096 Sep  4 16:14 Documents
drwxr-xr-x  2 sayeum sayeum 4096 Sep  4 16:14 Downloads
-rw-----  1 sayeum sayeum   20 Sep 19 11:07 .lessht
drwx-----  3 sayeum sayeum 4096 Sep  4 16:14 .local
drwxr-xr-x  2 sayeum sayeum 4096 Sep  4 16:14 Music
drwxrwxr-x  4 sayeum sayeum 4096 Sep 22 13:51 new
drwxr-xr-x  2 sayeum sayeum 4096 Sep  4 16:14 Pictures
-rw-r--r--  1 sayeum sayeum  807 Sep  4 16:05 .profile
drwxr-xr-x  2 sayeum sayeum 4096 Sep  4 16:14 Public
drwxrwxr-x  2 sayeum sayeum 4096 Sep 12 10:13 sayeum
drwx-----  3 sayeum sayeum 4096 Sep  4 16:14 snap
-rw-r--r--  1 sayeum sayeum    0 Sep  7 22:46 .sudo_as_admin_successful
drwxr-xr-x  2 sayeum sayeum 4096 Sep  4 16:14 Templates
-rw-r-----  1 sayeum sayeum    5 Sep 28 20:39 .vboxclient-clipboard.pid
-rw-r-----  1 sayeum sayeum    5 Sep 28 20:39 .vboxclient-display-svga-x11.pid
-rw-r-----  1 sayeum sayeum    5 Sep 28 20:39 .vboxclient-draganddrop.pid
-rw-r-----  1 sayeum sayeum    5 Sep 28 20:39 .vboxclient-seamless.pid
drwxr-xr-x  2 sayeum sayeum 4096 Sep  4 16:14 Videos
sayeum@sayeum:~$
```

5. pwd → Displays the current working directory

```
sayeum@sayeum:~$ pwd
/home/sayeum
sayeum@sayeum:~$
```

6. cd <dir name> → To access the directory

```
sayeum@sayeum:~$ cd Desktop
sayeum@sayeum:~/Desktop$
```

7. cd .. → To go back to the previous directory

```
sayeum@sayeum:~/Desktop$ cd ..
sayeum@sayeum:~$
```

8. cd → To go to home directory

```
sayeum@sayeum:~/Desktop/folder$ cd
sayeum@sayeum:~$
```

9. `cd <path>` → To open a particular directory using path

```
sayeum@sayeum:~$ cd Desktop/folder/folder2
sayeum@sayeum:~/Desktop/folder/folder2$
```

10. `touch <filename>` → To create a file

```
sayeum@sayeum:~/Desktop/folder/folder2$ touch newfile.txt
sayeum@sayeum:~/Desktop/folder/folder2$ ls
newfile.txt
sayeum@sayeum:~/Desktop/folder/folder2$
```

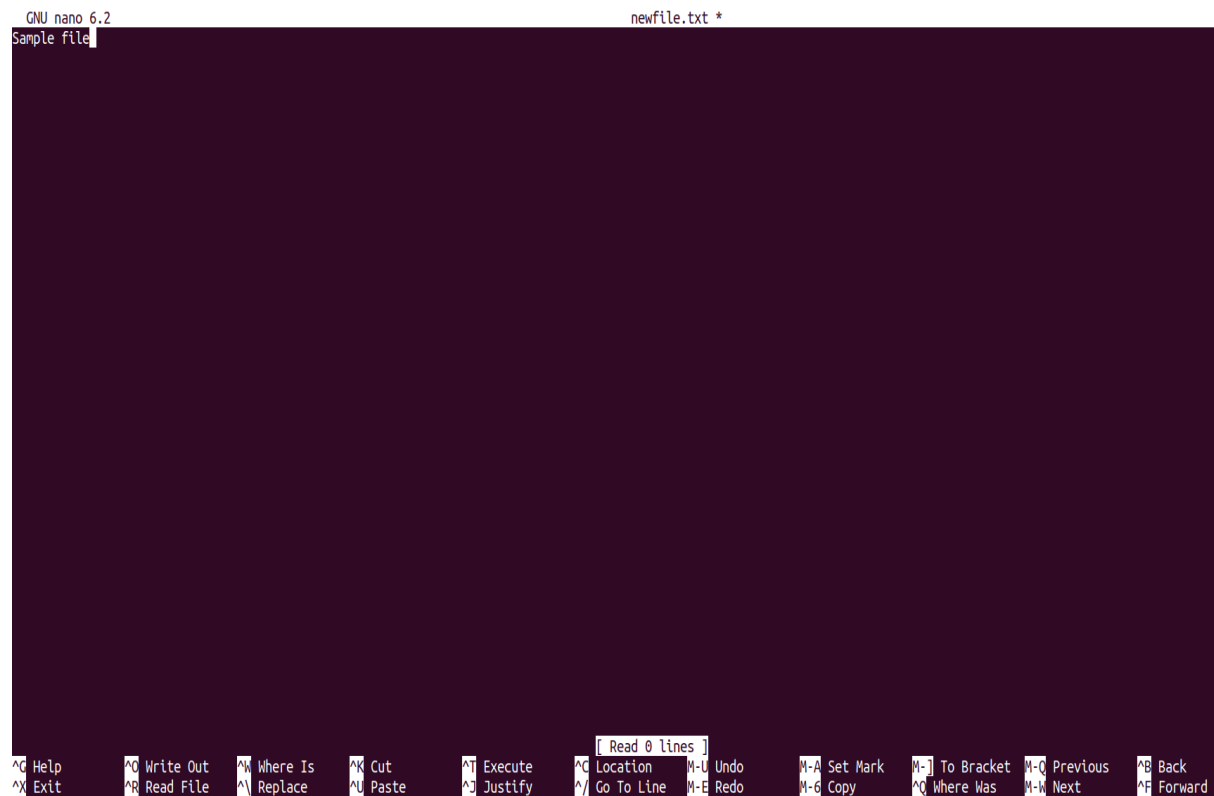
11. `touch <filename>{from..to}` → To create multiple files instantly

```
sayeum@sayeum:~/Desktop/folder/folder2$ touch f{1..5}.txt
sayeum@sayeum:~/Desktop/folder/folder2$ ls
f1.txt f2.txt f3.txt f4.txt f5.txt newfile.txt
sayeum@sayeum:~/Desktop/folder/folder2$
```

12. `vi/nano <filename>` → Creates a file and open in write mode

```
sayeum@sayeum:~/Desktop/folder/folder2$ nano newfile.txt
sayeum@sayeum:~/Desktop/folder/folder2$
```

```
GNU nano 6.2 newfile.txt *
Sample file
```



13. `cat <filename>` → Displays the content in the file

```
sayeum@sayeum:~/Desktop/folder/folder2$ cat newfile.txt
Sample file
sayeum@sayeum:~/Desktop/folder/folder2$
```

14. `mkdir <dirname>` → Creates a directory

```
sayeum@sayeum:~/Desktop/folder/folder2$ mkdir sample
sayeum@sayeum:~/Desktop/folder/folder2$ ls
f1.txt f2.txt f3.txt f4.txt f5.txt newfile.txt sample
sayeum@sayeum:~/Desktop/folder/folder2$
```

15. `mkdir -v <dirname>` → Creates a directory and displays the status

```
sayeum@sayeum:~/Desktop/folder/folder2$ mkdir -v example
mkdir: created directory 'example'
sayeum@sayeum:~/Desktop/folder/folder2$
```

16. `mkdir -p <dirname/dirname2>` → Creates a directory within a directory

```
sayeum@sayeum:~/Desktop/folder/folder2$ mkdir -p sample/sample1/sample2
sayeum@sayeum:~/Desktop/folder/folder2$ ls
example f1.txt f2.txt f3.txt f4.txt f5.txt newfile.txt sample
sayeum@sayeum:~/Desktop/folder/folder2$ cd sample
sayeum@sayeum:~/Desktop/folder/folder2/sample$ ls
sample1
sayeum@sayeum:~/Desktop/folder/folder2/sample$
```

17. `rm <filename>` → To remove/delete a file

```
sayeum@sayeum:~/Desktop/folder/folder2/sample$ ls
newfile.txt sample1
sayeum@sayeum:~/Desktop/folder/folder2/sample$ rm newfile.txt
sayeum@sayeum:~/Desktop/folder/folder2/sample$ ls
sample1
sayeum@sayeum:~/Desktop/folder/folder2/sample$
```

18. `rmdir <dirname>` → To remove/delete a directory

```
sayeum@sayeum:~/Desktop/folder/folder2/sample$ ls
file sample1
sayeum@sayeum:~/Desktop/folder/folder2/sample$ rmdir file
sayeum@sayeum:~/Desktop/folder/folder2/sample$ ls
sample1
sayeum@sayeum:~/Desktop/folder/folder2/sample$
```

19. `rmdir <filename/filename2>` → To remove/delete a directory path

```
sayeum@sayeum:~/Desktop/folder/folder2/sample$ cd ..
sayeum@sayeum:~/Desktop/folder/folder2$ rmdir -p sample/sample1/sample2
sayeum@sayeum:~/Desktop/folder/folder2$ ls
example f1.txt f2.txt f3.txt f4.txt f5.txt newfile.txt
sayeum@sayeum:~/Desktop/folder/folder2$
```

20. `mv <filename> <newname>` → To rename a file

```
sayeum@sayeum:~/Desktop/folder/folder2$ ls
example f1.txt f2.txt f3.txt f4.txt f5.txt newfile.txt
sayeum@sayeum:~/Desktop/folder/folder2$ mv newfile.txt file.txt
sayeum@sayeum:~/Desktop/folder/folder2$ ls
example f1.txt f2.txt f3.txt f4.txt f5.txt file.txt
sayeum@sayeum:~/Desktop/folder/folder2$
```

21. `mv <filename> <path>` → To move a file from a directory to a specified directory

```
sayeum@sayeum:~/Desktop/folder/folder2$ ls
example f1.txt f2.txt f3.txt f4.txt f5.txt file.txt
sayeum@sayeum:~/Desktop/folder/folder2$ mv file.txt example
sayeum@sayeum:~/Desktop/folder/folder2$ cd example
sayeum@sayeum:~/Desktop/folder/folder2/example$ ls
file.txt
sayeum@sayeum:~/Desktop/folder/folder2/example$
```

22. `mv -i <filename> <path>` → To move a file and ask permission to overwrite if file already exists

```
sayeum@sayeum:~/Desktop/folder/folder2$ ls
example f1.txt f2.txt f3.txt f4.txt f5.txt file.txt
sayeum@sayeum:~/Desktop/folder/folder2$ mv -i file.txt example
mv: overwrite 'example/file.txt'? y
sayeum@sayeum:~/Desktop/folder/folder2$ cd example
sayeum@sayeum:~/Desktop/folder/folder2/example$ ls
file.txt
sayeum@sayeum:~/Desktop/folder/folder2/example$
```

23. `mv -n <filename> <path>` → To move a file and deny permission to overwrite if file already exists

```
sayeum@sayeum:~/Desktop/folder/folder2$ mv -n file.txt example
sayeum@sayeum:~/Desktop/folder/folder2$ ls
example f1.txt f2.txt f3.txt f4.txt f5.txt file.txt
sayeum@sayeum:~/Desktop/folder/folder2$
```

24. `mv -b <filename> <path>` → To move a file and create a backup of the old file

```
sayeum@sayeum:~/Desktop/folder/folder2$ mv -b file.txt example
sayeum@sayeum:~/Desktop/folder/folder2$ cd example
sayeum@sayeum:~/Desktop/folder/folder2/example$ ls
file.txt file.txt~
sayeum@sayeum:~/Desktop/folder/folder2/example$
```