Commands, Work of Commands, Output:

① Command : Lsblk
   Uses : It shows all block devices in a tree format

Output :

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINT
Sda	8:0	0	31.9G	0	disk	
├─ Sda1	8:1	0	26.8G	0	part	/
├─ Sda2	8:2	0	1K	0	part	
└─ Sda5	8:5	0	5.1G	0	part	[SWAP]
Sr 0	11:0	1	1024M	0	rom	

② Command : ls
   Uses : It lists files and directories in current directory.

Output :

Desktop   Downloads   Music   Public Videos
Documents   examples.desktop Pictures Templates

③ Command : ls -l
   Uses : It lists the contents of a directory in long format.

Output :
```
total 44.
drwxr-xr-x   2  Student 3  Student 3  4096  Jul 16  02:03
drwxr-xr-x   2  student 3  Student 3  4096  Jul 16  02:03
drwxr-xr-x   2  student 3  Student 3  4096  Jul 16  02:03
-rw-r--r--   1  Student 3  Student 3  8980  Jul 16  01:56
drwxr-xr-x   2  student 3  Student 3  4096  Jul 16  02:03
drwxr-xr-x   2  Student 3  Student 3  4096  Jul 16  02:03
drwxr-xr-x   2  student 3  student 3  4096  Jul 16  02:03
drwxr-xr-x   2  Student 3  student 3  4096  Jul 16  02:03
drwxr-xr-x   2  Student 3  student 3  4096  Jul 16  02:03
drwxr-xr-x   2  student 3  Student 3  4096  Jul 16  02:03
```

Desktop
Documents
Downloads
examples.desktop
Music
Pictures
Public
Templates
Videos.

④ Command : pwd
Uses : It shows the full absolute path of the
current working directory.
Output :
/home / student 3

⑤ Command : who
Uses : It shows who is currently logged into
the system.

Output :

Student 3: 0	2025-07-17	01:08 (:0)
Student 3 pts/0	2025-07-17	01:16 (:0)
Student 3 pts/ 9	2025-07-17	01:29 (:0)

⑥ Command : whoami
uses : It displays the current logged in
username.

Output : Student 3

⑦ Command : cat > shashank.txt
Uses : It creates a new file named
shibangi.txt and write content
into it.
Output : we need to write the content
here —
I am a Btech Student
enter.

⑧ Command : gcc shashank.c -O shashank_out

Uses ; It uses the GCC (GNU compiler Collection) to compile a C program.

Output :-

Source code in the file ' shashank.txt '.

```c
# include <stdio.h>
    int main () {
        printf("Hello World !");
        return 0 ;
    }
```

⑨ Command : ./shashank_out

Uses : It runs the compiled C program

Output : Hello World.

⑩ Command : gcc --version

Uses : It shows the version of the GCC on system.

Output : gcc (Ubuntu 4.8.4-2
ubuntu 1∽ 14.04.4) 4.8.4

⑪ Command : cat shashank.txt

Uses : It displays the contents of the file on the terminal

Output : I am a B.teh student

Command : Sudo apt update

Uses : used to update the system libraries

Output : Enter password : ____
Your system is already up-to-date.