

Commands, Uses, Output1) Command: lsblkUses: 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	
└ sda3	8:3	0	5.1G	0	part	[SWAP]
sr0	11:0	1	1024M	0	rom	

2) Command: lsUses: It lists files and directories in current directoryOutput:

Desktop Downloads Music Public Videos Documents  
 examples.desktop Pictures Templates

3) Command: ls -lUses: It lists the contents of a directory in long format.Output:

total 44

drwxr-xr-x 2 student3 student3 4096 Jul 16 02:03 Desktop

drwxr-xr-x 2 student3 student3 4096 Jul 16 02:03 Documents

----- More -----

4) Command: pwdUses: It shows the full absolute path of the current working directory.Output:

/home/student3

5) Command: whoamiUses: It displays the current logged-in username.Output: student3



- 6) Command: who  
Uses: It shows who is currently logged into system.  
Output:  
 student3: 0 2025-07-17 01:08 (:0)  
 student3 pts/0 2025-07-17 01:16 (:0)  
 student3 pts/9 2025-07-17 01:29 (:0)
- 7) Command: cat > abc.txt  
Uses: It ~~displays~~ creates a new file named abc.txt and write content into it.  
Output:  
 I am a Btech AIML student.  
 (↵Enter)
- 8) Command: cat > abc.txt  
Uses: It displays the contents of the file on the terminal  
Output: I am a Btech AIML student.
- 9) Command: gcc abc.c -o abc-out  
Uses: It uses the GCC (GNU Compiler Collection) to compile a C program.  
Output:  
 (Source Code)  

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

 } → Compiled into abc-out by using GCC.
- 10) Command: ./abc-out  
Uses: It runs the compiled C program.  
Output: Hello World!
- 11) Command: gcc --version  
Uses: It shows the version of the GCC on system.  
Output:  
 gcc (Ubuntu 4.8.4-2ubuntu1~14.04.4) 4.8.4
- 12) Command: sudo apt update  
Uses: Used to update the system libraries  
Output: Enter password: \_\_\_\_\_  
 Your system is already up-to-date.

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