```
student@ubutun22:~$ su
Password:
root@ubutun22:/home/student# cd /
root@ubutun22:/# dir
  Terminal  un22:/# dir
daarabin   cdrom  etc    lib     lib64   lost+found  mnt  proc  run   snap  sys  usr
boot  dev  home   lib32  libx32  media        opt  root  sbin  srv   tmp  var
root@ubutun22:/# ls
bin   cdrom   etc    lib    lib64   lost+found  mnt  proc  run   snap  sys  usr
boot  dev     home   lib32  libx32  media       opt  root  sbin  srv   tmp  var
root@ubutun22:/# cd root
root@ubutun22:~# ls
snap
root@ubutun22:~# cd 
```

```
student@ubutun22:~$ su
Password:
root@ubutun22:/home/student# cd /
root@ubutun22:/# dir
dddfdbin   cdrom  etc    lib     lib64   lost+found  mnt  proc  run   snap  sys  usr
boot  dev  home   lib32  libx32  media        opt  root  sbin  srv   tmp  var
root@ubutun22:/# ls
bin   cdrom   etc    lib    lib64   lost+found  mnt  proc  run   snap  sys  usr
boot  dev     home   lib32  libx32  media       opt  root  sbin  srv   tmp  var
root@ubutun22:/# cd root
root@ubutun22:~# ls
snap
root@ubutun22:~# cd
root@ubutun22:~# exit
exit
student@ubutun22:~$ sudo apt apdate && sudo update -y
E: Invalid operation apdate
student@ubutun22:~$ whoami
student
student@ubutun22:~$ 
```

Ubuntu-22-05

Enforce US Keyboard Layout | View Fullscreen | Send Ctrl+Alt+D

```
Ubuntu 22.04.1 LTS ubutun22 tty3

ubutun22 login:
```

```
student@ubutun22:~$ sudo apt apdate && sudo update -y
E: Invalid operation apdate
student@ubutun22:~$ whoami
student
student@ubutun22:~$ date
Thu Jan 19 02:07:51 PM PST 2023
student@ubutun22:~$ uname -a
Linux ubutun22 5.15.0-58-generic #64-Ubuntu SMP Thu Jan 5 11:43:13 UTC 2023 x86
_64 x86_64 x86_64 GNU/Linux
student@ubutun22:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  snap  Templates  Videos
student@ubutun22:~$ who
student  tty2         2023-01-17 15:03 (tty2)
student@ubutun22:~$ cal
Command 'cal' not found, but can be installed with:
sudo apt install ncal
student@ubutun22:~$ echo

student@ubutun22:~$ sudo apt install ncal
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libflashrom1 libftdi1-2
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
  ncal
```

```
Preparing to unpack .../ncal_12.1.7
Unpacking ncal (12.1.7+nmu3ubuntu2)
Setting up ncal (12.1.7+nmu3ubuntu2
Processing triggers for man-db (2.1
student@ubutun22:~$ cal
      January 2023
Su Mo Tu We Th Fr Sa
 1  2  3  4  5  6  7
 8  9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31

student@ubutun22:~$
```

```
student@ubutun22:~$ ls -a
.                   .cache        .gnupg       .profile                    Templates
..                  .config       .lesshst     Public                      Videos
.bash_history       Desktop       .local       snap
.bash_logout        Documents     Music        .ssh
.bashrc             Downloads     Pictures     .sudo_as_admin_successful
student@ubutun22:~$ ls -l
total 36
drwxr-xr-x 2 student student 4096 Jan 17 15:03 Desktop
drwxr-xr-x 2 student student 4096 Jan 17 15:03 Documents
drwxr-xr-x 3 student student 4096 Jan 17 15:08 Downloads
drwxr-xr-x 2 student student 4096 Jan 17 15:03 Music
drwxr-xr-x 2 student student 4096 Jan 17 15:03 Pictures
drwxr-xr-x 2 student student 4096 Jan 17 15:03 Public
drwx------ 4 student student 4096 Jan 17 15:08 snap
drwxr-xr-x 2 student student 4096 Jan 17 15:03 Templates
drwxr-xr-x 2 student student 4096 Jan 17 15:03 Videos
student@ubutun22:~$ ls -al
total 84
drwxr-x--- 16 student  student 4096 Jan 17 15:24 .
drwxr-xr-x  3 root     root    4096 Jan 17 14:57 ..
-rw-------  1 student  student  132 Jan 19 13:57 .bash_history
-rw-r--r--  1 student  student  220 Jan 17 14:57 .bash_logout
-rw-r--r--  1 student  student 3771 Jan 17 14:57 .bashrc
drwx------ 12 student  student 4096 Jan 17 15:29 .cache
drwx------ 10 student  student 4096 Jan 17 15:07 .config
drwxr-xr-x  2 student  student 4096 Jan 17 15:03 Desktop
```

```
ubutun22 login: ubuntu-22
Password:

Login incorrect
ubutun22 login: student
Password:
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-58-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

2 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

*** System restart required ***

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

student@ubutun22:~$ sudo useradd sample
[sudo] password for student:
Sorry, try again.
[sudo] password for student:
student@ubutun22:~$ sudo useradd sample
useradd: user 'sample' already exists
student@ubutun22:~$ sudo passwd sample
New password:
BAD PASSWORD: The password fails the dictionary check - it is based on a dictionary word
Retype new password:
passwd: password updated successfully
student@ubutun22:~$ _
```

```
ubutun22 login: sample
Password:
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-58-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

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applicable law.

No directory, logging in with HOME=/
$ who
student   tty2           2023-01-17 15:03 (tty2)
student   tty3           2023-01-19 14:31
sample    tty4           2023-01-19 14:34
$ echo $SHELL
/bin/sh
$
```