

1.

```
ibab@IBAB-MSc-BDB-Comp06:~$ cd Downloads/
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ pwd
/home/ibab/Downloads
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ cd /
ibab@IBAB-MSc-BDB-Comp06:/$ pwd
/
ibab@IBAB-MSc-BDB-Comp06:/$ cd
ibab@IBAB-MSc-BDB-Comp06:~$ cd DOWNLOADS/
bash: cd: DOWNLOADS/: No such file or directory
ibab@IBAB-MSc-BDB-Comp06:~$ cd Downloads/
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ cd ~
ibab@IBAB-MSc-BDB-Comp06:~$ pwd
/home/ibab
ibab@IBAB-MSc-BDB-Comp06:~$ cd
ibab@IBAB-MSc-BDB-Comp06:~$ pwd
/home/ibab
ibab@IBAB-MSc-BDB-Comp06:~$ cd
ibab@IBAB-MSc-BDB-Comp06:~$ cd..
cd..: command not found
ibab@IBAB-MSc-BDB-Comp06:~$ cd ..
ibab@IBAB-MSc-BDB-Comp06:/home$ cd
ibab@IBAB-MSc-BDB-Comp06:~$
```

2.

```
e[1:34mibab@IBAB-MSc-BDB-Comp06:~$ ls -R | more
.:
Desktop
Documents
Downloads
Pictures
Public
snap
Templates
test
testfile
testfile-slink
Videos

./Desktop:

./Documents:
Lab Submission

./Documents/Lab Submission:
DishaLAB_01.pdf
DishaLAB_02.odt
DishaLAB_02.pdf
LAB_01.odt

./Downloads:
testfile
testfile2
testfile-slink

./Pictures:
mvtestf
Screenshots
testfile

./Pictures/Screenshots:
Screenshot from 2025-07-17 14-34-51.png
Screenshot from 2025-07-17 14-38-34.png
Screenshot from 2025-07-17 14-47-26.png
Screenshot from 2025-07-17 14-47-46.png
Screenshot from 2025-07-17 15-34-13.png
Screenshot from 2025-07-17 16-06-17.png
Screenshot from 2025-07-17 16-10-48.png
Screenshot from 2025-07-18 15-23-19.png
```

```
ibab@IBAB-MSc-BDB-Comp06:/home$ ls -r
lost+found  khan  ibab
```

3.

```
ibab@IBAB-MSc-BDB-Comp06:~/home$ pwd
/home
```

4.

```
e[1:34mibab@IBAB-MSc-BDB-Comp06:~$ ls -t
Pictures Downloads testfile-slink testfile test snap Documents Desktop Public Templates Videos
e[1:34mibab@IBAB-MSc-BDB-Comp06:~$ ls -tr
Videos Templates Public Desktop Documents snap test testfile testfile-slink Downloads Pictures
e[1:34mibab@IBAB-MSc-BDB-Comp06:~$
```

5.

```
ibab@IBAB-MSc-BDB-Comp06:~/home$ ls -l
total 24
drwxr-x--- 17 ibab ibab 4096 Jul 23 09:54 ibab
drwxr-xr-x 15 khan khan 4096 Jul 15 15:51 khan
drwx----- 2 root root 16384 May 6 2024 lost+found
ibab@IBAB-MSc-BDB-Comp06:~/home$ ls -ltr
total 24
drwx----- 2 root root 16384 May 6 2024 lost+found
drwxr-xr-x 15 khan khan 4096 Jul 15 15:51 khan
drwxr-x--- 17 ibab ibab 4096 Jul 23 09:54 ibab
```

6.

```
ibab@IBAB-MSc-BDB-Comp06:~/home$ ls alf
ls: cannot access 'alf': No such file or directory
ibab@IBAB-MSc-BDB-Comp06:~/home$ ls -A
total 0
ibab/  khan/  lost+found/
ibab@IBAB-MSc-BDB-Comp06:~/home$ ls -CF /
drwxr-xr-x 17 ibab ibab 4096 Jul 23 09:54 ibab/
drwxr-xr-x 15 khan khan 4096 Jul 15 15:51 khan/
drwx----- 2 root root 16384 May 6 2024 lost+found/
ibab@IBAB-MSc-BDB-Comp06:~/home$
```

7.

```
ibab@IBAB-MSc-BDB-Comp06:/home$ PS1='[\e[1;34m\]\u@\h:[\e[1;32m\]\w$ \[\e[0m\]'\n
e[1;34mibab@IBAB-MSc-BDB-Comp06:/home$
```

8.

```
total 24
drwxr-x--- 17 ibab  4096 Jul 23 09:54 ibab
drwxr-xr-x 15 khan  4096 Jul 15 15:51 khan
drwx----- 2 root 16384 May  6 2024 lost+found
e[1;34mibab@IBAB-MSc-BDB-Comp06:/home$
```

9. a.

```
ibab@IBAB-MSc-BDB-Comp06:/Downloads/etc_learn$ ls
adduser.conf  bash_completion.d  console-setup  cups  dpkg  gdm3  gshadow  init.d  ldapp  locale.conf  mne.types
alsa  bindresvport.blacklist  cracklib  dbus-1  e2scrub.conf  geoclue  gss  initscripts-tools  ld.so.cache  locale.gen  mke2fs.conf
alternatives  binfmt.d  credstore  dconf  emacs  ghostscript  inputrc  ld.so.conf  logcheck  modprobe.d
anacrontab  bluetooth  credstore.encrypted  dconf  environment  glvnd  inserv.conf.d  ld.so.conf.d  login.defs  modules
apq.conf  brlapi.key  cron.d  debconf.conf  environment.d  gnome  lpp-usb  legal  logrotate.conf  modules-load.d
apn  brltty  cron.daily  debian version  ethertypes  gnome-remote-desktop  host.conf  lproute2  libao.conf  logrotate.d  multipath
apparmor  brltty.conf  cron.hourly  debuginfo  fonts  gnuplot  hostname  lscsi  libaudit.conf  lsb-release  multipath.conf
apparmor.d  byobu  cron.monthly  default  fprintd.conf  gprofng.rc  hosts  issue  libblockdev  lvm
appport  ca-certificates  crontab  deluser.conf  fstab  groff  hosts.allow  issue.net  liblvm2  machine-id
apt  ca-certificates.conf  cron.weekly  depmod.d  fuse.conf  group  hosts.deny  kernel  liblvm2  magic
avahi  chatscripts  cron.yearly  dhcpcd  fwupd  group  kerneloops.conf  libpaper.d  magic.mime
bash.bashrc  cloud  cryptsetup-initramfs  dhcpcd.conf  gai.conf  grub.d  krm5.conf.d  libreoffice  manpath.config
bash_completion  colord  crypttab  dictionaries-common  gdm  gshadow  init  landscape  locale.alias  mdadm
```

b.

```
ibab@IBAB-MSc-BDB-Comp06:/Downloads/etc_learn$ ls -b
adduser.conf  bash_completion.d  console-setup  cups  dpkg  gdm3  gshadow  init.d  ldapp  locale.conf  mne.types
alsa  bindresvport.blacklist  cracklib  dbus-1  e2scrub.conf  geoclue  gss  initscripts-tools  ld.so.cache  locale.gen  mke2fs.conf
alternatives  binfmt.d  credstore  dconf  emacs  ghostscript  inputrc  ld.so.conf  logcheck  modprobe.d
anacrontab  bluetooth  credstore.encrypted  dconf  environment  glvnd  inserv.conf.d  ld.so.conf.d  login.defs  modules
apq.conf  brlapi.key  cron.d  debconf.conf  environment.d  gnome  lpp-usb  legal  logrotate.conf  modules-load.d
apn  brltty  cron.daily  debian version  ethertypes  gnome-remote-desktop  host.conf  lproute2  libao.conf  logrotate.d  multipath
apparmor  brltty.conf  cron.hourly  debuginfo  fonts  gnuplot  hostname  lscsi  libaudit.conf  lsb-release  multipath.conf
apparmor.d  byobu  cron.monthly  default  fprintd.conf  gprofng.rc  hosts  issue  libblockdev  lvm
appport  ca-certificates  crontab  deluser.conf  fstab  groff  hosts.allow  issue.net  liblvm2  machine-id
apt  ca-certificates.conf  cron.weekly  depmod.d  fuse.conf  group  hosts.deny  kernel  liblvm2  magic
avahi  chatscripts  cron.yearly  dhcpcd  fwupd  group  kerneloops.conf  libpaper.d  magic.mime
bash.bashrc  cloud  cryptsetup-initramfs  dhcpcd.conf  gai.conf  grub.d  krm5.conf.d  libreoffice  manpath.config
bash_completion  colord  crypttab  dictionaries-common  gdm  gshadow  init  landscape  locale.alias  mdadm
```

c.

```
ibab@IBAB-MSc-BDB-Comp06:/Downloads/etc_learn$ ls b*
bash.bashrc  bash_completion  bindresvport.blacklist  brlapi.key  brltty.conf

bash_completion.d:

binfmt.d:

bluetooth:

brltty:

byobu:
```

d.

```
ibab@IBAB-MSc-BDB-Comp06:~/Downloads/etc_learn$ ls [a-k]*
adduser.conf  bash.bashrc      brltty.key      crontab          debian_version  e2scrub.conf    fprintd.conf    gai.conf         group-          hdparm.conf     hosts           inputrc          kerneloops.conf
anacrontab    bash_completion  brltty.conf     crypttab         deluser.conf    environment      fstab            gprofng.rc      gshadow-       host.conf       hosts.allow     issue            issue.net
app.conf      bindresvport.blacklist  ca-certificates.conf  debconf.conf     dhcpcd.conf     ethertypes      fuse.conf        group            gshadow-       hostname        hosts.deny      issue.net

alsa:
alternatives:
apm:
apparmor:
apparmor.d:
apport:
apt:
avahi:
bash_completion.d:
binfmt.d:
bluetooth:
brltty:
byobu:
ca-certificates:
chatscripts:
cloud:
```

e.

```
ibab@IBAB-MSc-BDB-Comp06:~/Downloads/etc_learn$ ls *d
machine-id

apparmor.d:
bash_completion.d:
binfmt.d:
cloud:
colord:
credstore.encrypted:
cron.d:
debuginfod:
depmod.d:
environment.d:
fwupd:
glvnd:
grub.d:
ifplugd:
init.d:
insserv.conf.d:
krb5.conf.d:
ld.so.conf.d:
libibverbs.d:
libpaper.d:
logrotate.d:
modprobe.d:
modules-load.d:
```

f.

```
ibab@IBAB-MSc-BDB-Comp06:~/Downloads/etc_learn$ ls [conf.]*
ca-certificates.conf  crontab  crypttab  fprintd.conf  fstab  fuse.conf

ca-certificates:
chatscripts:
cloud:
colord:
console-setup:
cracklib:
credstore:
credstore.encrypted:
cron.d:
cron.daily:
cron.hourly:
cron.monthly:
cron.weekly:
cron.yearly:
cryptsetup-initramfs:
cups:
cupshelpers:
fonts:
fwupd:
```

g.

```
ibab@IBAB-MSc-BDB-Comp06:~/Downloads/etc_learn$ tail -n 3 /etc/resolv.conf
nameserver 127.0.0.53
options edns0 trust-ad
search .
```

h.

```
ibab@IBAB-MSc-BDB-Comp06:~/Downloads/etc_learn$ ls [g1]*
gai.conf  gprofng.rc  group  group-  gshadow  gshadow-
gdb:
gdm3:
geoclue:
ghostscript:
glvnd:
gnome:
gnome-remote-desktop:
gnutls:
groff:
grub.d:
gss:
gtk-2.0:
gtk-3.0:
```



```

ibab@IBAB-MSc-BDB-Comp06:~/Downloads/etc_learn$ cd /home/ibab/Downloads/
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ mkdir q1
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ ls
etc_learn  etc.zip  q1  testfile  testfile2  testfile-slink
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ cd /home/ibab/Downloads/Q10/q1
bash: cd: /home/ibab/Downloads/Q10/q1: No such file or directory
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ ls
etc_learn  etc.zip  q1  testfile  testfile2  testfile-slink
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ mkdir -p /home/ibab/lab3/Q10/q1 /home/ibab/lab3/Q10/q2
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ mkdir -p /home/ibab/lab3/Q10/q1 /home/ibab/lab3/Q10/q2
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ ls
etc_learn  etc.zip  testfile  testfile2  testfile-slink
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ q1
q1: command not found
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ mkdir -p /home/ibab/lab3/Q10/q1 /home/ibab/lab3/Q10/q2
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ ls
etc_learn  etc.zip  testfile  testfile2  testfile-slink
ibab@IBAB-MSc-BDB-Comp06:~/Downloads$ cd /home/ibab/lab3/Q10/q1
ibab@IBAB-MSc-BDB-Comp06:~/lab3/Q10/q1$ cd ../q2
ibab@IBAB-MSc-BDB-Comp06:~/lab3/Q10/q2$ cp -r ../q1_copy
cp: missing destination file operand after '../q1_copy'
Try 'cp --help' for more information.
ibab@IBAB-MSc-BDB-Comp06:~/lab3/Q10/q2$ cd ../q2
ibab@IBAB-MSc-BDB-Comp06:~/lab3/Q10/q2$ ls
ibab@IBAB-MSc-BDB-Comp06:~/lab3/Q10/q2$ cp -r ../q1 ../q1_copy
ibab@IBAB-MSc-BDB-Comp06:~/lab3/Q10/q2$ ls
ibab@IBAB-MSc-BDB-Comp06:~/lab3/Q10/q2$ rm -r ../q1_copy
ibab@IBAB-MSc-BDB-Comp06:~/lab3/Q10/q2$ ls
ibab@IBAB-MSc-BDB-Comp06:~/lab3/Q10/q2$ 

```

10.