

```
eepthi@LAPTOP-T2CPC45Q: /
eepthi@LAPTOP-T2CPC45Q:/$ ls
bin      boot     etc       init      lib.usr-is-merged  lost+found  mnt      proc      run      sbin      sbin.usr-is-merged  srv      tmp      var
bin.usr-is-merged  dev      home     lib       lib64      media      opt      root      sbin     snap      sys        usr

eepthi@LAPTOP-T2CPC45Q:/$ sudo apt update
[sudo] password for eepthi:
Sorry, try again.
[sudo] password for eepthi:
Sorry, try again.
[sudo] password for eepthi:
sudo: 3 incorrect password attempts
eepthi@LAPTOP-T2CPC45Q:/$ sudo apt update
[sudo] password for eepthi:
Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:4 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:5 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1052 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:7 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [183 kB]
Get:8 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [7068 B]
Get:10 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [379 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [194 kB]
Get:12 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.2 kB]
Get:13 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [17.0 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1554 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [341 kB]
Get:16 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:17 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [468 B]
Get:18 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [18.5 kB]
Get:19 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [4288 B]
Get:20 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]
Get:21 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [380 B]
Get:22 http://archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:23 http://archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:24 http://archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:25 http://archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:26 http://archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:27 http://archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:28 http://archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:29 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1313 kB]
Get:30 http://archive.ubuntu.com/ubuntu noble-updates/main Translation-en [263 kB]
Get:31 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [164 kB]
Get:32 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [13.5 kB]
Get:33 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1116 kB]
Get:34 http://archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [286 kB]
Get:35 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [377 kB]
Get:36 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [26.0 kB]
Get:37 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [1645 kB]
```

```
eepthi@LAPTOP-T2CPC45Q: /
Get:43 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:44 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [592 B]
Get:45 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [39.9 kB]
Get:46 http://archive.ubuntu.com/ubuntu noble-backports/main Translation-en [9152 B]
Get:47 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7072 B]
Get:48 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [272 B]
Get:49 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [28.0 kB]
Get:50 http://archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [17.1 kB]
Get:51 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [28.3 kB]
Get:52 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1304 B]
Get:53 http://archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [212 B]
Get:54 http://archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]
Get:55 http://archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:56 http://archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
Fetched 36.1 MB in 13s (2763 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
143 packages can be upgraded. Run 'apt list --upgradable' to see them.
eepthi@LAPTOP-T2CPC45Q:/$ sudo apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following packages will be upgraded:
  apparmor apport apport-core-dump-handler apt apt-utils binutils binutils-common binutils-x86-64-linux-gnu bsdxtrautils bsdxutils cloud-init dirmngr distro-info-data dmsetup eject fdisk gir1.2-glib-2.0
  gir1.2-packagekitglib-1.0 git git-man gnupg gnupg-l10n gnupg-utils gpg gpg-agent gpg-wks-client gpgconf gpgsm gpgv gtk-update-icon-cache gzip iproute2 iptutils ping keyboard krb5-locales landscape-client
  landscape-common libapparmor1 libatm1-dev libb2-1 libbz2-1.0 libcap2-bin libcryptsetup2 libctf-nobfd0 libctf0 libdevmapper1.02.1 libdw164 libelf1 libfdisk1 libgdk-pixbuf2.0-0
  libgdk-pixbuf2.0-bin libgdk-pixbuf2.0-common libgl1 libgl2.0-0 libgl1.0-0 libgl1.0-0 libgl1.0-0 libgl1.0-0 libgl1.0-0 libgl1.0-0 libgl1.0-0 libgl1.0-0 libgl1.0-0 libgl1.0-0 libgl1.0-0 libgl1.0-0
  libk5crypto3 libkrb5-3 libkrb5support0 libldap-common libldap2 liblma5 libmount1 libnetplan1 libnss-systemd libpackagekit-glib2-18 libpam-cap libpam-modules libpam-modules-bin libpam-runtime
  libpam-systemd libpam0g libpciaccess0 libperl5.38t64 libpython3.12-minimal libpython3.12-stdlib libpython3.12t64 libsqlite3-0 libssh-4 libssl3t64 libsystemd-shared libsystemd0 libtasn1-6 libudev1
  libuuid1 libxml2 locales mount netplan-generator netplan.io openssh-client openssh-pkg-config packagekit packagekit-tools pci.ids perl perl-base perl-modules-5.38 python3-apport
  python3-jinja2 python3-netplan python3-pkg-resources python3-problem-report python3-requests python3-setuptools python3-software-properties python3-update-manager python3-urllib3 python3.12
  python3.12-minimal rsyslog snapd software-properties-common sudo systemd systemd-dev systemd-resolved systemd-sysv systemd-timesyncd tzdata ubuntu-pro-client ubuntu-pro-client-l10n
  udev update-manager-core util-linux uuid-runtime vim vim-common vim-runtime vim-tiny xxd xz-utils
143 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
82 standard LTS security updates
Need to get 115 MB of archives.
After this operation, 1285 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 bsdxutils amd64 1:2.39.3-9ubuntu6.3 [95.9 kB]
Get:2 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 gzip amd64 1:12-ubuntu3.1 [99.0 kB]
Get:3 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 libperl5.38t64 amd64 5.38.2-3.2ubuntu0.2 [4874 kB]
Get:4 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 perl amd64 5.38.2-3.2ubuntu0.2 [231 kB]
Get:5 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 perl-base amd64 5.38.2-3.2ubuntu0.2 [1827 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 perl-modules-5.38 all 5.38.2-3.2ubuntu0.2 [3110 kB]
Get:7 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 libbz2-1.0 amd64 2.39-9ubuntu8.5 [3265 kB]
Get:8 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 util-linux amd64 2.39.3-9ubuntu6.3 [1128 kB]
Get:9 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 libc-bin amd64 2.39-0ubuntu8.5 [682 kB]
```

```
eepthi@LAPTOP-T2CPC45Q: /
root@LAPTOP-T2CPC45Q:~# wsl.exe
<3>WSL (6956 - Relay) ERROR: CreateProcessCommon:727: chdir(-20.04/root) failed 2
eepthi@LAPTOP-T2CPC45Q:/$ echo $SHELL
/bin/bash
eepthi@LAPTOP-T2CPC45Q:/$ printenv SHELL
/bin/bash
eepthi@LAPTOP-T2CPC45Q:/$ whoami
eepthi
eepthi@LAPTOP-T2CPC45Q:/$ whatis echo
echo (1) - display a line of text
eepthi@LAPTOP-T2CPC45Q:/$ whatis printenv
printenv (1) - print all or part of environment
eepthi@LAPTOP-T2CPC45Q:/$ whatis whoami
whoami (1) - print effective user name
eepthi@LAPTOP-T2CPC45Q:/$ ^[[200~what is cat
^[[201~what is: command not found
eepthi@LAPTOP-T2CPC45Q:/$ whatis cat
cat (1) - concatenate files and print on the standard output
eepthi@LAPTOP-T2CPC45Q:/$
```

```
root@LAPTOP-T2CPC45Q:~# wsl.exe
<3>WSL (6956 - Relay) ERROR: CreateProcessCommon:727: chdir(-20.04/root) failed 2
eepthi@LAPTOP-T2CPC45Q:/$ echo $SHELL
/bin/bash
eepthi@LAPTOP-T2CPC45Q:/$ printenv SHELL
/bin/bash
eepthi@LAPTOP-T2CPC45Q:/$ whoami
eepthi
eepthi@LAPTOP-T2CPC45Q:/$ whatis echo
echo (1) - display a line of text
eepthi@LAPTOP-T2CPC45Q:/$ whatis printenv
printenv (1) - print all or part of environment
eepthi@LAPTOP-T2CPC45Q:/$ whatis whoami
whoami (1) - print effective user name
eepthi@LAPTOP-T2CPC45Q:/$ ^[[200~what is cat
^[[201~what is: command not found
eepthi@LAPTOP-T2CPC45Q:/$ whatis cat
cat (1) - concatenate files and print on the standard output
eepthi@LAPTOP-T2CPC45Q:/$
eepthi@LAPTOP-T2CPC45Q:/$ whereis cat
cat: /usr/bin/cat /usr/share/man/man1/cat.1.gz
eepthi@LAPTOP-T2CPC45Q:/$ whereis gcc
```



```
eepthi@LAPTOP-T2CPC4SQ:/
root@LAPTOP-T2CPC4SQ:~# wsl.exe
<3>WSL (7961 - Relay) ERROR: CreateProcessCommon:727: chdir(-20.04/root) failed 2
eepthi@LAPTOP-T2CPC4SQ:/ $ Linux
Linux: command not found
eepthi@LAPTOP-T2CPC4SQ:/ $ echo "This is
> Linux
> Training
> for
> Notchup
> July 2025"
This is
Linux
Training
for
Notchup
July 2025
eepthi@LAPTOP-T2CPC4SQ:/ $ echo "This is Linux Training for Notchup July 2025"
This is Linux Training for Notchup July 2025
eepthi@LAPTOP-T2CPC4SQ:/ $ printf "Linux training"
Linux training
eepthi@LAPTOP-T2CPC4SQ:/ $ printf "Linux training\n"
Linux training
eepthi@LAPTOP-T2CPC4SQ:/ $ printf "My shell is %s\n" $SHELL
My shell is /bin/bash
eepthi@LAPTOP-T2CPC4SQ:/ $ seq 1 10
1
2
3
4
5
6
7
8
9
10
eepthi@LAPTOP-T2CPC4SQ:/ $ seq 1 3 10
1
4
7
10
eepthi@LAPTOP-T2CPC4SQ:/ $ seq 10 -1 1
10
9
8
7
6
5
4
3
2
1
eepthi@LAPTOP-T2CPC4SQ:/ $ seq -s " " 10
1 2 3 4 5 6 7 8 9 10
eepthi@LAPTOP-T2CPC4SQ:/ $ seq -s " " 5 10
5 6 7 8 9 10
eepthi@LAPTOP-T2CPC4SQ:/ $ seq -s 5 10
5 10
eepthi@LAPTOP-T2CPC4SQ:/ $ seq -s " " 5 3 50
5 8 11 14 17 20 23 26 29 32 35 38 41 44 47 50
eepthi@LAPTOP-T2CPC4SQ:/ $ rev <<< Linux
xunil
eepthi@LAPTOP-T2CPC4SQ:/ $
```

```
1
eepthi@LAPTOP-T2CPC4SQ:/ $ seq 20 -2 0
20
18
16
14
12
10
8
6
4
2
0
eepthi@LAPTOP-T2CPC4SQ:/ $ seq 10 -1 1
10
9
8
7
6
5
4
3
2
1
eepthi@LAPTOP-T2CPC4SQ:/ $ seq 20 -2 0
20
18
16
14
12
10
8
6
4
2
0
eepthi@LAPTOP-T2CPC4SQ:/ $ seq -s " " 10
1 2 3 4 5 6 7 8 9 10
eepthi@LAPTOP-T2CPC4SQ:/ $ seq -s " " 5 10
5 6 7 8 9 10
eepthi@LAPTOP-T2CPC4SQ:/ $ seq -s 5 10
5 10
eepthi@LAPTOP-T2CPC4SQ:/ $ seq -s " " 5 3 50
5 8 11 14 17 20 23 26 29 32 35 38 41 44 47 50
eepthi@LAPTOP-T2CPC4SQ:/ $ rev <<< Linux
xunil
eepthi@LAPTOP-T2CPC4SQ:/ $
```

```
eepthi@LAPTOP-T2CPC4SQ:/
eepthi@LAPTOP-T2CPC4SQ:/ $ rev <<< Linux
xunil
eepthi@LAPTOP-T2CPC4SQ:/ $ ^?history
history: command not found
eepthi@LAPTOP-T2CPC4SQ:/ $ history
1 ls
2 pwd
3 mkdir eepthi
4 cd
5 cp
6 mvfile.txt
7 rm newfile
8 date
9 bc
10 ls
11 date
12 bc
13 9505
14 sudo apt update
15 mount -o remount,rw /
16 mount -o remount,rw /
17 bash
18 rust
19 sudo update
20 sudo apt update
21 passwd
22 passwd eepthi
23 sudo passwd eepthi
24 sudo passwd root
25 passwd -u eepthi
26 password
27 ls
28 sudo apt update
29 passwd
30 date
31 bc
32 ls
33 sudo apt update
34 sudo apt upgrade
35 clear
36 echo $SHELL
37 printenv SHELL
38 whoami
39 whatis echo
40 whatis printenv
41 whatis whoami
42 whatis cat
43 whereis cat
```

```
eepthi@LAPTOP-T2CPC4SQ: ~
root@LAPTOP-T2CPC4SQ:~# wsl.exe
<3>WSL (8086 - Relay) ERROR: CreateProcessCommon:727: chdir(-20.04/root) failed 2
eepthi@LAPTOP-T2CPC4SQ:/ $ cd new
-bash: cd: new: No such file or directory
eepthi@LAPTOP-T2CPC4SQ:/ $ cd /home/eepthi
eepthi@LAPTOP-T2CPC4SQ:/ $ cd new
eepthi@LAPTOP-T2CPC4SQ:/new $ cd
eepthi@LAPTOP-T2CPC4SQ:/new $ cd new
eepthi@LAPTOP-T2CPC4SQ:/new/new $ mkdir new1 new2
eepthi@LAPTOP-T2CPC4SQ:/new/new $ ls
new new1 new2 newfile.save
eepthi@LAPTOP-T2CPC4SQ:/new/new $ cd
eepthi@LAPTOP-T2CPC4SQ:/new/new $ cd -
/home/eepthi/new
eepthi@LAPTOP-T2CPC4SQ:/new/new $ mkdir -p d1/d2
eepthi@LAPTOP-T2CPC4SQ:/new/new $ ls
d1 new new1 new2 newfile.save
eepthi@LAPTOP-T2CPC4SQ:/new/new $ cd d1
eepthi@LAPTOP-T2CPC4SQ:/new/new/d1 $ ls
d2
eepthi@LAPTOP-T2CPC4SQ:/new/new/d1 $ ls -l
total 4
drwxr-xr-x 2 eepthi eepthi 4096 Jul 31 19:41 d2
eepthi@LAPTOP-T2CPC4SQ:/new/new/d1 $ cd
eepthi@LAPTOP-T2CPC4SQ:/new/new/d1 $ cd
eepthi@LAPTOP-T2CPC4SQ:/new/new/d1 $ ls -l
total 4
drwxr-xr-x 6 eepthi eepthi 4096 Jul 31 19:41 new
eepthi@LAPTOP-T2CPC4SQ:/new/new/d1 $ ls -a
. .bash_history .bashrc .lessshst .motd shown .sudo_as_admin_successful
.. .bash_logout .cache .local .profile new
eepthi@LAPTOP-T2CPC4SQ:/new/new/d1 $ ls -R
.:
new
./new:
d1 new new1 new2 newfile.save
./new/d1:
d2
./new/d1/d2:
./new/new:
./new/new1:
./new/new2:
eepthi@LAPTOP-T2CPC4SQ:/new/new/d1 $
```

```
eepthi@LAPTOP-T2CPC4SQ: ~
root@LAPTOP-T2CPC4SQ:~# wsl.exe
<3>WSL (677 - Relay) ERROR: CreateProcessCommon:727: chdir(-20.04/root) failed 2
eepthi@LAPTOP-T2CPC4SQ:/ $ cat newfile.txt
cat: newfile.txt: No such file or directory
eepthi@LAPTOP-T2CPC4SQ:/ $ cd
eepthi@LAPTOP-T2CPC4SQ:/ $ cat newfile.txt
Hello World
eepthi@LAPTOP-T2CPC4SQ:/ $ cat newfile.txt > output.txt
eepthi@LAPTOP-T2CPC4SQ:/ $ cat output.txt
Hello World
eepthi@LAPTOP-T2CPC4SQ:/ $ cat -n demo
1 This is a test file
eepthi@LAPTOP-T2CPC4SQ:/ $ ls
demo new newfile.txt newfile.txt.save output.txt training
eepthi@LAPTOP-T2CPC4SQ:/ $ mkdir training
mkdir: cannot create directory 'training': File exists
eepthi@LAPTOP-T2CPC4SQ:/ $ cd
eepthi@LAPTOP-T2CPC4SQ:/ $ mkdir training
mkdir: cannot create directory 'training': File exists
eepthi@LAPTOP-T2CPC4SQ:/ $ cp newfile output.txt training
cp: cannot stat 'newfile': No such file or directory
eepthi@LAPTOP-T2CPC4SQ:/ $ mkdir Deepthi
eepthi@LAPTOP-T2CPC4SQ:/ $ cp newfile output.txt Deepthi
cp: cannot stat 'newfile': No such file or directory
eepthi@LAPTOP-T2CPC4SQ:/ $ cd Deepthi
-bash: cd: Deepthi: No such file or directory
eepthi@LAPTOP-T2CPC4SQ:/ $ cd Deepthi
eepthi@LAPTOP-T2CPC4SQ:/Deepthi $ ls cd ls ls -R
ls: cannot access 'cd': No such file or directory
ls: cannot access 'ls': No such file or directory
ls: cannot access 'ls': No such file or directory
eepthi@LAPTOP-T2CPC4SQ:/Deepthi $ ls
output.txt
eepthi@LAPTOP-T2CPC4SQ:/Deepthi $ cd
eepthi@LAPTOP-T2CPC4SQ:/ $ ls
Deepthi demo new newfile.txt newfile.txt.save output.txt training
eepthi@LAPTOP-T2CPC4SQ:/ $ ls -R
.:
Deepthi demo new newfile.txt newfile.txt.save output.txt training
./Deepthi:
output.txt
./new:
d1 new new1 new2 newfile.save
./new/d1:
d2
```

```
eepthi@LAPTOP-T2CPC4SQ: ~
root@LAPTOP-T2CPC4SQ:~# wsl.exe
<3>WSL (677 - Relay) ERROR: CreateProcessCommon:727: chdir(-20.04/root) failed 2
eepthi@LAPTOP-T2CPC4SQ:/ $ cat newfile.txt
cat: newfile.txt: No such file or directory
eepthi@LAPTOP-T2CPC4SQ:/ $ cd
eepthi@LAPTOP-T2CPC4SQ:/ $ cat newfile.txt
Hello World
eepthi@LAPTOP-T2CPC4SQ:/ $ cat newfile.txt > output.txt
eepthi@LAPTOP-T2CPC4SQ:/ $ cat output.txt
Hello World
eepthi@LAPTOP-T2CPC4SQ:/ $ cat -n demo
1 This is a test file
eepthi@LAPTOP-T2CPC4SQ:/ $ ls
demo new newfile.txt newfile.txt.save output.txt training
eepthi@LAPTOP-T2CPC4SQ:/ $ mkdir training
mkdir: cannot create directory 'training': File exists
eepthi@LAPTOP-T2CPC4SQ:/ $ cd
eepthi@LAPTOP-T2CPC4SQ:/ $ mkdir training
mkdir: cannot create directory 'training': File exists
eepthi@LAPTOP-T2CPC4SQ:/ $ cp newfile output.txt training
cp: cannot stat 'newfile': No such file or directory
eepthi@LAPTOP-T2CPC4SQ:/ $ mkdir Deepthi
eepthi@LAPTOP-T2CPC4SQ:/ $ cp newfile output.txt Deepthi
cp: cannot stat 'newfile': No such file or directory
eepthi@LAPTOP-T2CPC4SQ:/ $ cd Deepthi
-bash: cd: Deepthi: No such file or directory
eepthi@LAPTOP-T2CPC4SQ:/ $ cd Deepthi
eepthi@LAPTOP-T2CPC4SQ:/Deepthi $ ls cd ls ls -R
ls: cannot access 'cd': No such file or directory
ls: cannot access 'ls': No such file or directory
ls: cannot access 'ls': No such file or directory
eepthi@LAPTOP-T2CPC4SQ:/Deepthi $ ls
output.txt
eepthi@LAPTOP-T2CPC4SQ:/Deepthi $ cd
eepthi@LAPTOP-T2CPC4SQ:/ $ ls
Deepthi demo new newfile.txt newfile.txt.save output.txt training
eepthi@LAPTOP-T2CPC4SQ:/ $ ls -R
.:
Deepthi demo new newfile.txt newfile.txt.save output.txt training
./Deepthi:
output.txt
./new:
d1 new new1 new2 newfile.save
./new/d1:
d2
```

```
eepthi@LAPTOP-T2CPC4SQ: /  
    int a=5,b=7;  
    int sum=a+b;  
    printf("Sum=%d\n",sum);  
    return 0;  
}  
~  
~  
~
```

eepthi@LAPTOP-T2CPC4SQ: /

WSL (838 - Relay) ERROR: CreateProcessCommon:727: chdir(-20.04/root) failed 2

eepthi@LAPTOP-T2CPC4SQ:/\$ vi add.c

eepthi@LAPTOP-T2CPC4SQ:/\$ cd~

Command 'cd~' not found, did you mean:

Command 'cdw' from deb cdw (0.8.1-3)

Command 'cdb' from deb tinycdb (0.81-1)

Command 'cd5' from deb cd5 (0.1-4)

Command 'cdi' from deb cdo (2.3.0-1)

Command 'cdo' from deb cdo (2.3.0-1)

Command 'cde' from deb cde (0.1+git9-g551e54d-1.2)

Command 'cdp' from deb irpas (0.10-9)

sudo apt install <deb name>

eepthi@LAPTOP-T2CPC4SQ:/\$ ls

bin usr-is-merged boot dev etc home init lib lib usr-is-merged lib64 lost+found media mnt opt proc root r

eepthi@LAPTOP-T2CPC4SQ:/\$ gcc sum.c -o sum

/bin/ld: cannot open output file sum: Permission denied

lect2: error: ld returned 1 exit status

eepthi@LAPTOP-T2CPC4SQ:/\$./sum

-12

eepthi@LAPTOP-T2CPC4SQ:/\$ vi sum.c

eepthi@LAPTOP-T2CPC4SQ:/\$

eepthi@LAPTOP-T2CPC4SQ: /

eepthi@LAPTOP-T2CPC4SQ:/\$ sudo apt update

1 http://security.ubuntu.com/ubuntu noble-security InRelease

2 http://archive.ubuntu.com/ubuntu noble InRelease

3 http://archive.ubuntu.com/ubuntu noble-updates InRelease

4 http://archive.ubuntu.com/ubuntu noble-backports InRelease

ing package lists... Done

ding dependency tree... Done

ing state information... Done

ackages are up to date.

eepthi@LAPTOP-T2CPC4SQ:/\$ sudo apt update

1 http://archive.ubuntu.com/ubuntu noble InRelease

2 http://security.ubuntu.com/ubuntu noble-security InRelease

3 http://archive.ubuntu.com/ubuntu noble-updates InRelease

4 http://archive.ubuntu.com/ubuntu noble-backports InRelease

ing package lists... Done

ding dependency tree... Done

ing state information... Done

ackages are up to date.

eepthi@LAPTOP-T2CPC4SQ:/\$ sudo apt install update

ing package lists... Done

ding dependency tree... Done

ing state information... Done

eepthi@LAPTOP-T2CPC4SQ: /

root@LAPTOP-T2CPC4SQ:~# wsl.exe

<3>WSL (303 - Relay) ERROR: CreateProcessCommon:727: chdir(-20.04/root) failed 2

eepthi@LAPTOP-T2CPC4SQ:/\$ sudo apt install update

[sudo] password for eepthi:

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

E: Unable to locate package update

eepthi@LAPTOP-T2CPC4SQ:/\$ sudo apt update

Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease

Hit:2 http://security.ubuntu.com/ubuntu noble-security InRelease

Hit:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease

Hit:4 http://archive.ubuntu.com/ubuntu noble-backports InRelease

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

All packages are up to date.

eepthi@LAPTOP-T2CPC4SQ:/\$ sudo apt install build-essential

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

build-essential is already the newest version (12.10ubuntu1).

0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.

eepthi@LAPTOP-T2CPC4SQ:/\$ exit

logout

root@LAPTOP-T2CPC4SQ:~# echo \$SHELL

/bin/bash

root@LAPTOP-T2CPC4SQ:~# whoami

root

root@LAPTOP-T2CPC4SQ:~# whatis cat

cat (1) - concatenate files and print on the standard output

root@LAPTOP-T2CPC4SQ:~# whatis gcc

gcc: nothing appropriate.

root@LAPTOP-T2CPC4SQ:~# whereis cat

cat: /usr/bin/cat /usr/share/man/man1/cat.1.gz

root@LAPTOP-T2CPC4SQ:~# whereis gcc

gcc: /usr/share/gcc /mnt/c/MinGW/bin/gcc.exe

root@LAPTOP-T2CPC4SQ:~# info cat

root@LAPTOP-T2CPC4SQ:~# wsl.exe

<3>WSL (306 - Relay) ERROR: CreateProcessCommon:727: chdir(-20.04/root) failed 2

eepthi@LAPTOP-T2CPC4SQ:/\$

Start

```
eeptth@LAPTOP-T2CPC4SQ: /
Command 'unam' not found, did you mean:
  command 'unar' from deb unar (1.10.7+ds1+really1.10.1-2build3)
  command 'nam' from deb nam (1.15-6)
  command 'uname' from deb coreutils (9.4-2ubuntu2)
Try: sudo apt install <deb name>
eeptth
eeptth@LAPTOP-T2CPC4SQ:/$ date && whoami
Fri Aug 1 16:48:21 UTC 2025
eeptth
eeptth@LAPTOP-T2CPC4SQ:/$ dat && whoami
Command 'dat' not found, but can be installed with:
sudo apt install liballegro4-dev
eeptth@LAPTOP-T2CPC4SQ:/$ date
Fri Aug 1 16:48:50 UTC 2025
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%D"
08/01/25
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%D %T"
08/01/25 16:49:21
eeptth@LAPTOP-T2CPC4SQ:/$ date "%Y - %m - %d"
date: invalid date '%Y - %m - %d'
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%Y - %m - %d"
2025 - 08 - 01
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%Y/%m/%d"
2025/08/01
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%d/%m/%Y"
01/08/2025
eeptth
eeptth@LAPTOP-T2CPC4SQ:/$ date && whoami
Fri Aug 1 16:48:21 UTC 2025
eeptth
eeptth@LAPTOP-T2CPC4SQ:/$ dat && whoami
Command 'dat' not found, but can be installed with:
sudo apt install liballegro4-dev
eeptth@LAPTOP-T2CPC4SQ:/$ date
Fri Aug 1 16:48:50 UTC 2025
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%D"
08/01/25
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%D %T"
08/01/25 16:49:21
eeptth@LAPTOP-T2CPC4SQ:/$ date "%Y - %m - %d"
date: invalid date '%Y - %m - %d'
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%Y - %m - %d"
2025 - 08 - 01
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%Y/%m/%d"
2025/08/01
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%d/%m/%Y"
01/08/2025
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%A %B %d %y %T"
Friday August 01 25 16:50:31
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%A %B %d %y %T"
Friday August 01 25 16:50:31
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%A %B %d %y %T"
Friday August 01 25 16:50:31
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%A %B %d %y %T"
Friday August 01 25 16:50:31
```

```
eeptth@LAPTOP-T2CPC4SQ: /
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%Y/%m/%d"
2025/08/01
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%d/%m/%Y"
01/08/2025
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%A %B %d %y %T"
Friday August 01 25 16:50:31
eeptth@LAPTOP-T2CPC4SQ:/$ date "+%A %B %d %y %T"
Friday August 01 2025 16:50:40
eeptth@LAPTOP-T2CPC4SQ:/$ info date
eeptth@LAPTOP-T2CPC4SQ:/$ date --date "tomorrow"
Sat Aug 2 16:51:34 UTC 2025
eeptth@LAPTOP-T2CPC4SQ:/$ date --date "2 years ago"
Tue Aug 1 16:51:42 UTC 2023
eeptth@LAPTOP-T2CPC4SQ:/$ cal
      August 2025
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
eeptth@LAPTOP-T2CPC4SQ:/$ cal 10 2025
      October 2025
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
eeptth@LAPTOP-T2CPC4SQ:/$ cal 2025
      2025
January February March
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa
                1  2  3  4                1  2  3  4                1
 5  6  7  8  9 10 11  2  3  4  5  6  7  8  2  3  4  5  6  7  8
12 13 14 15 16 17 18  9 10 11 12 13 14 15  9 10 11 12 13 14 15
19 20 21 22 23 24 25 16 17 18 19 20 21 22 16 17 18 19 20 21 22
26 27 28 29 30 31  23 24 25 26 27 28  23 24 25 26 27 28 29
                30 31
April May June
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa
 1  2  3  4  5          1  2  3  1  2  3  4  5  6  7
 6  7  8  9 10 11 12  4  5  6  7  8  9 10  8  9 10 11 12 13 14
13 14 15 16 17 18 19 11 12 13 14 15 16 17 15 16 17 18 19 20 21
20 21 22 23 24 25 26 18 19 20 21 22 23 24 22 23 24 25 26 27 28
```



```
eeptth@LAPTOP-T2CPC45Q: /
30 31

April May June
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa
1 2 3 4 5 1 2 3 1 2 3 4 5 6 7
6 7 8 9 10 11 12 4 5 6 7 8 9 10 8 9 10 11 12 13 14
13 14 15 16 17 18 19 11 12 13 14 15 16 17 15 16 17 18 19 20 21
20 21 22 23 24 25 26 18 19 20 21 22 23 24 22 23 24 25 26 27 28
27 28 29 30 25 26 27 28 29 30 31 29 30

July August September
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa
1 2 3 4 5 1 2 1 2 3 4 5 6 7
6 7 8 9 10 11 12 3 4 5 6 7 8 9 7 8 9 10 11 12 13
13 14 15 16 17 18 19 10 11 12 13 14 15 16 14 15 16 17 18 19 20
20 21 22 23 24 25 26 17 18 19 20 21 22 23 21 22 23 24 25 26 27
27 28 29 30 31 24 25 26 27 28 29 30 28 29 30
31

October November December
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa
1 2 3 4 1 1 2 3 4 5 6
5 6 7 8 9 10 11 2 3 4 5 6 7 8 7 8 9 10 11 12 13
12 13 14 15 16 17 18 9 10 11 12 13 14 15 14 15 16 17 18 19 20
19 20 21 22 23 24 25 16 17 18 19 20 21 22 21 22 23 24 25 26 27
26 27 28 29 30 31 23 24 25 26 27 28 29 28 29 30 31
30

eeptth@LAPTOP-T2CPC45Q:/$ cal -3
2025
July August September
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa
1 2 3 4 5 1 2 1 2 3 4 5 6
6 7 8 9 10 11 12 3 4 5 6 7 8 9 7 8 9 10 11 12 13
13 14 15 16 17 18 19 10 11 12 13 14 15 16 14 15 16 17 18 19 20
20 21 22 23 24 25 26 17 18 19 20 21 22 23 21 22 23 24 25 26 27
27 28 29 30 31 24 25 26 27 28 29 30 28 29 30
31

eeptth@LAPTOP-T2CPC45Q:/$ cal -5
cal: invalid option -- '5'
Usage: cal [general options] [-jy] [[month] year]
cal [general options] [-j] [-m month] [year]
ncal -C [general options] [-jy] [[month] year]
ncal -C [general options] [-j] [-m month] [year]
ncal [general options] [-bhjpwysH] [-H yyyy-mm-dd] [-s country_code] [-W number of days] [[month] year]
ncal [general options] [-Jeo] [year]
General options: [-31] [-A months] [-8 months] [-d yyyy-mm]
eeptth@LAPTOP-T2CPC45Q:/$ cal -5
cal: invalid option -- '5'
```

```
eeptth@LAPTOP-T2CPC45Q: /
ncal [general options] [-Jeo] [year]
General options: [-31] [-A months] [-8 months] [-d yyyy-mm]
eeptth@LAPTOP-T2CPC45Q:/$ cal -5
cal: invalid option -- '5'
Usage: cal [general options] [-jy] [[month] year]
cal [general options] [-j] [-m month] [year]
ncal -C [general options] [-jy] [[month] year]
ncal -C [general options] [-j] [-m month] [year]
ncal [general options] [-bhjpwysH] [-H yyyy-mm-dd] [-s country_code] [-W number of days] [[month] year]
ncal [general options] [-Jeo] [year]
General options: [-31] [-A months] [-8 months] [-d yyyy-mm]
eeptth@LAPTOP-T2CPC45Q:/$ cal -5
cal: invalid option -- '5'
Usage: cal [general options] [-jy] [[month] year]
cal [general options] [-j] [-m month] [year]
ncal -C [general options] [-jy] [[month] year]
ncal -C [general options] [-j] [-m month] [year]
ncal [general options] [-bhjpwysH] [-H yyyy-mm-dd] [-s country_code] [-W number of days] [[month] year]
ncal [general options] [-Jeo] [year]
General options: [-31] [-A months] [-8 months] [-d yyyy-mm]
eeptth@LAPTOP-T2CPC45Q:/$ bc
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type 'warranty'.
bc<<<"12/5"
(standard_in) 1: syntax error
^C
(interrupt) use quit to exit.
q
^q
(standard_in) 3: illegal character: :
(standard_in) 3: syntax error
quit
eeptth@LAPTOP-T2CPC45Q:/$ for to come out we have to write quit command
```

```
eeptth@LAPTOP-T2CPC45Q: /
q
^q
(standard_in) 3: illegal character: :
(standard_in) 3: syntax error
quit
eeptth@LAPTOP-T2CPC45Q:/$ bc <<< "12/5"
2
eeptth@LAPTOP-T2CPC45Q:/$ bc <<< "scale=2; 12/5"
2.40
eeptth@LAPTOP-T2CPC45Q:/$ bc <<< "2>3"
1024
eeptth@LAPTOP-T2CPC45Q:/$ bc <<< "2*10"
1024
eeptth@LAPTOP-T2CPC45Q:/$ uname -o
GNU/Linux
eeptth@LAPTOP-T2CPC45Q:/$ uname -i
x86_64
eeptth@LAPTOP-T2CPC45Q:/$ uname -n
LAPTOP-T2CPC45Q
eeptth@LAPTOP-T2CPC45Q:/$ uname -v
#1 SMP PREEMPT_DYNAMIC Thu Jun 5 18:30:46 UTC 2025
eeptth@LAPTOP-T2CPC45Q:/$ uname -s
Linux
eeptth@LAPTOP-T2CPC45Q:/$ uname -m
x86_64
eeptth@LAPTOP-T2CPC45Q:/$ uname -r
6.6.87.2-microsoft-standard-WSL2
eeptth@LAPTOP-T2CPC45Q:/$ uname -a
Linux LAPTOP-T2CPC45Q 6.6.87.2-microsoft-standard-WSL2 #1 SMP PREEMPT_DYNAMIC Thu Jun 5 18:30:46 UTC 2025 x86_64 x86_64 x86_64 GNU/Linux
eeptth@LAPTOP-T2CPC45Q:/$ echo "Welcome to Linux Training"
Welcome to Linux Training
eeptth@LAPTOP-T2CPC45Q:/$ echo -e "Hello \t World"
Hello World
eeptth@LAPTOP-T2CPC45Q:/$ echo -n "Hello world"
Hello world
eeptth@LAPTOP-T2CPC45Q:/$ echo "Welcome to \Linux Training\ Training"
Welcome to "Linux Training"
eeptth@LAPTOP-T2CPC45Q:/$ echo "date"
date
eeptth@LAPTOP-T2CPC45Q:/$ echo date
date
eeptth@LAPTOP-T2CPC45Q:/$ echo `date`
Fri Aug 1 16:59:06 UTC 2025
eeptth@LAPTOP-T2CPC45Q:/$ echo "welcome to
> Linux
> Training
> "
welcome to
Linux
```

```
eepthi@LAPTOP-T2CPC45Q:/
Welcome to
Linux
Training
eepthi@LAPTOP-T2CPC45Q:/ $ echo "Welcome to
> \Linux\
> Training"
Welcome to
"Linux"
Training
eepthi@LAPTOP-T2CPC45Q:/ $ seq 1 10
1
2
3
4
5
6
7
8
9
10
eepthi@LAPTOP-T2CPC45Q:/ $ seq 1 3 10
1
4
7
10
eepthi@LAPTOP-T2CPC45Q:/ $ seq 10 -1 1
10
9
8
7
6
5
4
3
2
1
eepthi@LAPTOP-T2CPC45Q:/ $ seq 20 -2 1
20
18
16
14
12
10
8
6
4
2
eepthi@LAPTOP-T2CPC45Q:/ $ seq -s " " 10
1 2 3 4 5 6 7 8 9 10
eepthi@LAPTOP-T2CPC45Q:/ $ rev <<< linux training
rev: cannot open training: No such file or directory
eepthi@LAPTOP-T2CPC45Q:/ $ rev <<< linux
xnuil
eepthi@LAPTOP-T2CPC45Q:/ $ history
1  ls
2  pwd
3  mkdir eepthi
4  cd
5  cp
6  mvfile.txt
7  rm newfile
8  date
9  bc
10 ls
11 date
12 bc
13 9595
14 sudo apt update
15 mount -o remount,rw /
16 mount -o remount,rw /
17 bash
18 rust
19 sudo update
20 sudo apt update
21 passwd
22 passwd eepthi
23 sudo passwd eepthi
24 sudo passwd root
25 passwd -u eepthi
26 password
```

```
eepthi@LAPTOP-T2CPC45Q:/
eepthi@LAPTOP-T2CPC45Q:/ $ seq 20 -2 1
20
18
16
14
12
10
8
6
4
2
eepthi@LAPTOP-T2CPC45Q:/ $ seq -s " " 10
1 2 3 4 5 6 7 8 9 10
eepthi@LAPTOP-T2CPC45Q:/ $ seq -s " " 5 10
5 6 7 8 9 10
eepthi@LAPTOP-T2CPC45Q:/ $ seq -s " " 5 3 15
5 8 11 14
eepthi@LAPTOP-T2CPC45Q:/ $ ^C
eepthi@LAPTOP-T2CPC45Q:/ $ rev <<< linux training
rev: cannot open training: No such file or directory
eepthi@LAPTOP-T2CPC45Q:/ $ rev <<< linux
xnuil
eepthi@LAPTOP-T2CPC45Q:/ $ history
1  ls
2  pwd
3  mkdir eepthi
4  cd
5  cp
6  mvfile.txt
7  rm newfile
8  date
9  bc
10 ls
11 date
12 bc
13 9595
14 sudo apt update
15 mount -o remount,rw /
16 mount -o remount,rw /
17 bash
18 rust
19 sudo update
20 sudo apt update
21 passwd
22 passwd eepthi
23 sudo passwd eepthi
24 sudo passwd root
25 passwd -u eepthi
26 password
```

```
eepthi@LAPTOP-T2CPC45Q:/
424 echo date
425 echo 'date'
426 echo "Melcome to
\Linux\"
Training"
427 seq 20 -2 1
428 seq -s " " 10
429 seq -s " " 5 10
430 seq -s " " 5 3 15
431 rev <<< linux training
432 rev <<< linux
eepthi@LAPTOP-T2CPC45Q:/ $ history 10
424 echo date
425 echo 'date'
426 echo "Melcome to
\Linux\"
Training"
427 seq 20 -2 1
428 seq -s " " 10
429 seq -s " " 5 10
430 seq -s " " 5 3 15
431 rev <<< linux training
432 rev <<< linux
433 history 10
eepthi@LAPTOP-T2CPC45Q:/ $ seq 1 3 10
1
4
7
10
eepthi@LAPTOP-T2CPC45Q:/ $ date --date "2 years ago"
Tue Aug 1 17:03:05 UTC 2023
eepthi@LAPTOP-T2CPC45Q:/ $ echo $?
0
eepthi@LAPTOP-T2CPC45Q:/ $ uname -r
Command 'uname' not found, did you mean:
  command 'uname' from deb coreutils (9.4-2ubuntu2)
  command 'unar' from deb unar (1.10.7+ds1+really1.10.1-2build3)
  command 'nam' from deb nam (1.15-6)
Try: sudo apt install <deb name>
eepthi@LAPTOP-T2CPC45Q:/ $
```

```

septhi@LAPTOP-T2CPC45Q:~$
430 seq -s " " 5 3 15
431 rev <<< linux training
432 rev <<< linux
septhi@LAPTOP-T2CPC45Q:/$ history 10
424 echo date
425 echo "date"
426 echo "Welcome to
\linux"
Training"
427 seq 20 -2 1
428 seq -s " " 10
429 seq -s " " 5 10
430 seq -s " " 5 3 15
431 rev <<< linux training
432 rev <<< linux
433 history 10
septhi@LAPTOP-T2CPC45Q:/$ seq 1 3 10
1
2
3
4
5
6
7
8
9
10
septhi@LAPTOP-T2CPC45Q:/$ date --date "2 years ago"
Tue Aug 1 17:03:05 UTC 2023
septhi@LAPTOP-T2CPC45Q:/$ echo $?
0
424 echo date
425 echo "date"
426 echo "Welcome to
\linux"
Training"
427 seq 20 -2 1
428 seq -s " " 10
429 seq -s " " 5 10
430 seq -s " " 5 3 15
431 rev <<< linux training
432 rev <<< linux
433 history 10
septhi@LAPTOP-T2CPC45Q:/$ seq 1 3 10
1
2
3
4
5
6
7
8
9
10
septhi@LAPTOP-T2CPC45Q:/$ date --date "2 years ago"
Tue Aug 1 17:03:05 UTC 2023
septhi@LAPTOP-T2CPC45Q:/$ echo $?
0
septhi@LAPTOP-T2CPC45Q:/$ unam -r
Command 'unam' not found, did you mean:
7

```

```

cepthi@LAPTOP-T2CPC45Q: ~
7
10
cepthi@LAPTOP-T2CPC45Q:/$ date --date "2 years ago"
Tue Aug  1 17:03:05 UTC 2023
cepthi@LAPTOP-T2CPC45Q:/$ echo $?
0
424 echo date
425 echo "date"
426 echo "Welcome to
\linux\
training"
427 seq 20 -2 1
428 seq -s " " 10
429 seq -s " " 5 10
430 seq -s " " 5 3 15
431 rev <<< linux training
432 rev <<< linux
433 history 10
cepthi@LAPTOP-T2CPC45Q:/$ seq 1 3 10
1
2
3
4
5
6
7
8
9
10
cepthi@LAPTOP-T2CPC45Q:/$ date --date "2 years ago"
Tue Aug  1 17:03:05 UTC 2023
cepthi@LAPTOP-T2CPC45Q:/$ echo $?
0
cepthi@LAPTOP-T2CPC45Q:/$ uname -r
Command 'uname' not found, did you mean:
7
8
9
10
cepthi@LAPTOP-T2CPC45Q:/$ date --date "2 years ago"
Tue Aug  1 17:03:05 UTC 2023
cepthi@LAPTOP-T2CPC45Q:/$ echo $?
0
cepthi@LAPTOP-T2CPC45Q:/$ uname -r
Command 'uname' not found, did you mean:
  command 'uname' from deb coreutils (9.4-2ubuntu2)
  command 'unar' from deb unar (1.10.7+ds1+really1.10.1-2build3)
  command 'nam' from deb nam (1.15-6)
Try: sudo apt install <deb name>
cepthi@LAPTOP-T2CPC45Q:/$ rev <<< linux training
rev: cannot open training: No such file or directory
cepthi@LAPTOP-T2CPC45Q:/$ rev <<< "linux training"
gniniart xunil
cepthi@LAPTOP-T2CPC45Q:/$ rev training
rev: cannot open training: No such file or directory
cepthi@LAPTOP-T2CPC45Q:/$ rev <<training
>

```

```

eepthi@LAPTOP-T2CPC45Q:~$
eepthi@LAPTOP-T2CPC45Q:/$ nano test
eepthi@LAPTOP-T2CPC45Q:/$ ls
bin                dev init          lib64             mnt root sbin usr-is-merged  sum  var
bin usr-is-merged  etc lib            lost+found       opt run snap        sum,c  usr
boot              home lib usr-is-merged  media           proc sbin srv         sys   var
eepthi@LAPTOP-T2CPC45Q:/$ cd training
-bash: cd: training: No such file or directory
eepthi@LAPTOP-T2CPC45Q:/$ cd training
-bash: cd: training: No such file or directory
eepthi@LAPTOP-T2CPC45Q:/$ ls
bin                dev init          lib64             mnt root sbin usr-is-merged  sum  var
bin usr-is-merged  etc lib            lost+found       opt run snap        sum,c  usr
boot              home lib usr-is-merged  media           proc sbin srv         sys   var
eepthi@LAPTOP-T2CPC45Q:/$ cd
eepthi@LAPTOP-T2CPC45Q:~$ cd ..
eepthi@LAPTOP-T2CPC45Q:~/home$ cd /home
eepthi@LAPTOP-T2CPC45Q:~/home$ pd
Command 'pd' not found, but there are 16 similar ones.
eepthi@LAPTOP-T2CPC45Q:~/home$ pwd
/home
eepthi@LAPTOP-T2CPC45Q:~/home$ ls
eepthi
eepthi@LAPTOP-T2CPC45Q:~/home$ cd training
-bash: cd: training: No such file or directory
eepthi@LAPTOP-T2CPC45Q:~/home$ mkdir training
mkdir: cannot create directory 'training': Permission denied
eepthi@LAPTOP-T2CPC45Q:~/home$ cd
eepthi@LAPTOP-T2CPC45Q:~$ cd new
eepthi@LAPTOP-T2CPC45Q:~/new$ cd ..
eepthi@LAPTOP-T2CPC45Q:~$ cd new
eepthi@LAPTOP-T2CPC45Q:~/new$ cd ..
eepthi@LAPTOP-T2CPC45Q:~$ cd new
eepthi@LAPTOP-T2CPC45Q:~/new$ cd
eepthi@LAPTOP-T2CPC45Q:~$ cd -
/home/eepthi/new
eepthi@LAPTOP-T2CPC45Q:~/new$ cd
eepthi@LAPTOP-T2CPC45Q:~$ pwd
/home/eepthi
eepthi@LAPTOP-T2CPC45Q:~$ cd -
/home/eepthi/new
eepthi@LAPTOP-T2CPC45Q:~/new$ pwd
/home/eepthi/new
eepthi@LAPTOP-T2CPC45Q:~/new$ cd
eepthi@LAPTOP-T2CPC45Q:~$ mkdir stepin
eepthi@LAPTOP-T2CPC45Q:~$ cd stepin
eepthi@LAPTOP-T2CPC45Q:~/stepin$ mkdir sdic git linux
eepthi@LAPTOP-T2CPC45Q:~/stepin$ ls
git linux sdic
eepthi@LAPTOP-T2CPC45Q:~/stepin$ cd sdic

```



```
eeptthi@LAPTOP-T2CPC45Q: ~$ wc -l
wc: this: No such file or directory
wc: is: No such file or directory
wc: day: No such file or directory
wc: 2: No such file or directory
wc: of: No such file or directory
wc: the: No such file or directory
wc: training: No such file or directory
0 0 0 total
eeptthi@LAPTOP-T2CPC45Q:~/stepin/sdlc/models$ cd
eeptthi@LAPTOP-T2CPC45Q:~$ wc -l
wc: this: No such file or directory
wc: is: No such file or directory
wc: day: No such file or directory
wc: 2: No such file or directory
wc: of: No such file or directory
wc: the: No such file or directory
wc: training: Is a directory
0 0 0 training
0 0 0 total
eeptthi@LAPTOP-T2CPC45Q:~$ wc -l
wc: cld: No such file or directory
eeptthi@LAPTOP-T2CPC45Q:~$ ls
Deepthi add.c demo new newfile.txt newfile.txt.save out stepin sum.c training training.txt
eeptthi@LAPTOP-T2CPC45Q:~$ wc -l newfile.txt
1 2 12 newfile.txt
eeptthi@LAPTOP-T2CPC45Q:~$ wc -l
wc: cld: No such file or directory
eeptthi@LAPTOP-T2CPC45Q:~$ wc -l cld.txt
wc: cld.txt: No such file or directory
eeptthi@LAPTOP-T2CPC45Q:~$ ls
Deepthi add.c demo new newfile.txt newfile.txt.save out stepin sum.c training training.txt
eeptthi@LAPTOP-T2CPC45Q:~$ wc -l cld.txt
wc: cld.txt: No such file or directory
eeptthi@LAPTOP-T2CPC45Q:~$ wc -l
wc: cld: No such file or directory
eeptthi@LAPTOP-T2CPC45Q:~$ touch cld.txt
eeptthi@LAPTOP-T2CPC45Q:~$ wc -l
wc: cld: No such file or directory
eeptthi@LAPTOP-T2CPC45Q:~$ wc -l newfile.txt
1 2 12 newfile.txt
eeptthi@LAPTOP-T2CPC45Q:~$ touch cld.txt
eeptthi@LAPTOP-T2CPC45Q:~$ wc -l
wc: cld: No such file or directory
eeptthi@LAPTOP-T2CPC45Q:~$
```

```
eeptthi@LAPTOP-T2CPC45Q: ~/new
eeptthi@LAPTOP-T2CPC45Q:~/stepin$ cp -r training stepin
cp: cannot stat 'training': No such file or directory
eeptthi@LAPTOP-T2CPC45Q:~/stepin$ cp -r training.txt stepin
cp: cannot stat 'training.txt': No such file or directory
eeptthi@LAPTOP-T2CPC45Q:~/stepin$ cd
eeptthi@LAPTOP-T2CPC45Q:~$ cp -r training.txt stepin
eeptthi@LAPTOP-T2CPC45Q:~$ cd stepin
eeptthi@LAPTOP-T2CPC45Q:~/stepin$ ls
demo git linux newfile.txt sdlc training.txt
eeptthi@LAPTOP-T2CPC45Q:~/stepin$ mv newfile.txt Day2
eeptthi@LAPTOP-T2CPC45Q:~/stepin$ ls
Day2 demo git linux sdlc training.txt
eeptthi@LAPTOP-T2CPC45Q:~/stepin$ rm Day2
eeptthi@LAPTOP-T2CPC45Q:~/stepin$ ls
demo git linux sdlc training.txt
eeptthi@LAPTOP-T2CPC45Q:~/stepin$ cd
eeptthi@LAPTOP-T2CPC45Q:~$ ls
Deepthi add.c cld.txt demo new new.txt newfile.txt newfile.txt.save out stepin sum.c training training.txt
eeptthi@LAPTOP-T2CPC45Q:~$ rm -r
rm: cannot remove 'new': Is a directory
eeptthi@LAPTOP-T2CPC45Q:~$ rm newfile.txt newfile.txt.save
rm: cannot remove 'newfile.txt': No such file or directory
rm: cannot remove 'newfile.txt.save': No such file or directory
eeptthi@LAPTOP-T2CPC45Q:~$ rm -r n*
rm: remove write-protected directory 'new/new'?
eeptthi@LAPTOP-T2CPC45Q:~$ ls
Deepthi add.c cld.txt demo new out stepin sum.c training training.txt
eeptthi@LAPTOP-T2CPC45Q:~$ rmdir new
rmdir: failed to remove 'new': Directory not empty
eeptthi@LAPTOP-T2CPC45Q:~$ cd new
eeptthi@LAPTOP-T2CPC45Q:~/new$ ls
ls: cannot access 'cd': No such file or directory
ls: cannot access 'rm': No such file or directory
new:
eeptthi@LAPTOP-T2CPC45Q:~/new$ ls
new
eeptthi@LAPTOP-T2CPC45Q:~/new$ history
1 ls
2 pwd
3 mkdir eeptthi
4 cd
5 cp
6 newfile.txt
7 rm newfile
8 date
9 bc
10 ls
11 date
12 bc
```

```
eeptthi@LAPTOP-T2CPC45Q: ~/new
553 cd stepin
554 ls
555 cp -r training stepin
556 cd
557 cd ..
558 ls
559 cd ..
560 cd
561 ls
562 cp demo newfile stepin
563 cp demo newfile.txt stepin
564 ls
565 cd stepin
566 ls
567 cp -r training stepin
568 cp -r training.txt stepin
569 cd
570 cp -r training.txt stepin
571 cd stepin
572 ls
573 mv newfile.txt Day2
574 ls
575 rm Day2
576 ls
577 cd
578 ls
579 rm n*
580 rm newfile.txt newfile.txt.save
581 rm -r n*
582 ls
583 cd new
584 ls
585 ls
586 history
eeptthi@LAPTOP-T2CPC45Q:~/new$
```

eepti@LAPTOP-T2CPC4SQ:~/new\$ history

```
1 ls
2 pwd
3 mkdir eepti
4 cd
5 cp
6 mvfile.txt
7 rm newfile
8 date
9 bc
10 ls
11 date
12 bc
13 9595
14 sudo apt update
15 mount -o remount,rw /
16 mount -o remount,rw /
17 bash
18 rust
19 sudo update
20 sudo apt update
21 passwd
22 passwd eepti
23 sudo passwg eepti
24 sudo passwd root
25 passwd -u eepti
26 password
27 ls
28 sudo apt update
29 passwd
30 date
```

```
31 bc
32 ls
33 sudo apt update
34 sudo apt upgrade
35 clear
36 echo $SHELL
37 printenv SHELL
38 whoami
39 whatis echo
40 whatis printenv
41 whatis whoami
42 whatis cat
43 whereis cat
44 whereis gcc
45 info cat
46 echo $SHELL
47 printenv SHELL
48 whoami
49 whatis echo
50 whatis printenv
51 whatis whoami
52 whatis cat
53 whatis cat
54 whereis cat
55 whereis gcc
56 info cat
57 sudo apt install gcc
58 clear
59 date
60 date "+%D"
61 date "+%D %T"
62 date "+%Y-%m-%d"
```

63 date "+%Y/%m/%d"

64 date --date "tomorrow"

65 date --date "2 years ago"

66 man date

67 clear

68 cal

69 sudo apt install ncal

70 cal

71 cal 7 2025

72 cal 5 2025

73 cal 2025

74 cal -3 2025

75 cal -3

76 cal -3 2025

77 clear

78 ps

79 exit

80 Linux

81 echo "This is

82 Linux

83 Training

84 for

85 Notchup

86 july 2025"

87 echo "This is Linux Training for Notchup July 2025"

88 printf "My shell is %s\n" \$SHELL

89 seq 1 10

90 seq 1 3 10

91 seq 10 -1 1

92 seq 20 -2 0

93 seq -s " " 10

94 seq -s 5 10

```
95 rev <<< Linux
96 history
97 history
98 seq 1 10
99 date --date "2 years ago"
100 sudo apt install ncal
101 echo $?
102 false
103 echo $?
104 ls
105 nano newfile
106 bc <<< "12/5"
107 bc <<< "scale=2; 12/5"
108 bc <<< "2>5"
109 bc <<< "2^10"
110 uname
111 uname -o
112 uname -i
113 uname -n
114 uname -v
115 uname -s
116 uname -m
117 uname -r
118 uname -a
119 echo "Welcome to Linux"
120 echo -e "Hello \t World"
121 echo -n "Hello \t World"
122 echo 'date'
123 echo "This is
124 d
125 d
126 d
```

```
127 d
128 clear
129 sl.exe
130 wsl.exe
131 kj
132 "
133 clear
134 cd new
135 ls
136 mkdir new
137 cd new
138 cd ~
139 cd /home/eepti
140 mkdir new
141 cd new
142 sudo mkdir new
143 nano newfile
144 cd new
145 cd /home/eepti
146 cd new
147 cd
148 cd new
149 mkdir new1 new2
150 ls
151 cd
152 cd -
153 mkdir -p d1/d2
154 ls
155 cd d1
156 ls
157 ls -l
158 cd
```



```
159 ls -l
160 ls -a
161 ls -R
162 nano demo
163 wc demo
164 nano demo
165 cd
166 cd home/eepti
167 cd /home/eepti
168 cd
169 cd /home/eepti
170 cd new
171 wc demo
172 cd
173 echo " This is a test file"> demo
174 wc demo
175 touch newfile.txt
176 history
177 clear
178 touch newfile.txt
179 cd
180 touch newfile.txt
181 nano newfile.txt
182 cat newfile.txt
183 cat newfile.txt > output.txt
184 cd ~
185 echo "Hello World">newfile.txt
186 cat newfile.txt > output.txt
187 ls
188 cat output.txt
189 cat newfile.txt
190 cat -n demo
```

```
191 ls
192 mkdir training
193 cp newfile output.txt training
194 cd training
195 cd
196 ls
197 ls -R
198 cp -r new training
199 ls
200 cd training
201 ls cd new
202 ls
203 cd
204 mv output.txt out
205 is
206 ls
207 mv out training
208 ls
209 cd training
210 ls
211 vi sum.c
212 cat newfile.txt
213 cd
214 cat newfile.txt
215 cat output.txt
216 cat -n demo
217 ls
218 mkdir training
219 cd
220 mkdir training
221 cp newfile output.txt training
222 mkdir Deepthi
```

223 cp newfile output.txt Deepthi

224 cd Deepti

225 cd Deepthi

226 ls cd ls ls -R

227 ls

228 cd

229 ls

230 ls -R

231 cd -r new Deepthi

232 cp -r new Deepthi

233 cd Deepthi

234 cd

235 cd Deepthi

236 ls

237 cd

238 ls

239 ls-R

240 cp -r new Deepthi

241 ls

242 cd training

243 ls

244 cd new

245 ls

246 cd

247 mv output.txt out

248 ls

249 cd Deepthi

250 ls cd new

251 ls mv output.txt out

252 mv output.txt out

253 ls

254 mv out Deepthi

```
255 ls
256 cd Deepthi
257 ls vi sum.c
258 vi sum.c
259 clear
260 gcc sum.c &&./a.out
261 cd
262 gcc sum.c &&./a.out
263 ls -l
264 rm training
265 rm Deepthi
266 mv training training.txt
267 mkdir training
268 gcc sum.c &&./a.out
269 gcc sum.c && ./a.out
270 sudo apt install update
271 gcc ifelse.c
272 cd
273 gcc ifelse.c
274 gcc sum.c && ./a.out
275 vi sum.c
276 gcc sum.c && ./a.out
277 vi sum.c
278 gcc sum.c && ./a.out
279 find .-name sum.c
280 cd~
281 pwd
282 vi sum.c
283 cd~
284 vi sum.c
285 gcc sum.c && ./a.out
286 vim sum
```

```
287 sudo vim sum.c
288 sudo vim sum.c
289 vi sum.c
290 gcc sum.c -o sum
291 cd~
292 gcc sum.c -o sum.out./sum.out
293 cd~
294 gcc /path/to/sum.c -o sum./sum
295 sudo gcc sum.c -O sum
296 sudo gcc sum.c -o sum
297 gcc sum.c && ./a.out
298 sudo apt install update
299 sudo apt install gcc
300 gcc ifelse.c
301 cd notchupfy26
302 gcc ifelse.c
303 cd
304 pwd
305 ls
306 cd
307 cd /home/eepti
308 cd/home
309 cd home
310 cd /home
311 cd / eepti
312 cd sum.c
313 mkdir sum.c
314 cd
315 mkdir sum.c
316 ls
317 gcc sum.c -o output_sum
318 gcc sum.c -o sum
```

```
319 apt update
320 sudo apt install gcc
321 cd
322 sum.c
323 mkdir sum.c
324 gcc sum.c -o sum
325 gcc
326 sum.c
327 mkdir sum.c
328 clear
329 gcc sum.c -o sum
330 pwd
331 vi add.c
332 cd ~
333 ls
334 cd
335 ls
336 cd
337 ls
338 cd~
339 ls
340 gcc sum.c -o sum
341 ./sum
342 vi sum.c
343 gcc sum.c && ./a.out
344 ./sum
345 sudo apt install update
346 sudo apt install gcc
347 gcc ifelse.c
348 cd~
349 ls
350 vi ifelse.c
```



```
351 gcc ifelse.c -o ifelse
352 ls
353 vi ifelse.c
354 ls
355 gcc ifelse.c -o ifelse
356 ls
357 cd~
358 ls
359 vi ifelse.c
360 gcc ifelse.c -o ifelse
361 gcc ifelse.c -oifelse
362 ./ifelse
363 ls
364 ./ifelse
365 ./out
366 gcc ifelse.c
367 gcc 1darray.c
368 ./a.out
369 sudo apt install update
370 sudo apt update
371 sudo apt upgrade
372 sudo apt install build-essential
373 exit
374 sudo apt install update
375 sudo apt update
376 sudo apt upgrade
377 sudo apt update
378 sudo apt upgrade
379 sudo apt update
380 sudo apt install update
381 sudo apt install build-essential
382 exit
```

```
383 sudo apt update
384 sudo apt install build-essential
385 exit
386 sudo apt update
387 sudo apt upgrade
388 sudo apt install build-essential
389 sudo apt install build-essential
390 sudo apt install g++
391 date; uname -r; whoami
392 date; uname -r; whoami
393 date && whoami
394 date && whoami
395 date "+%D"
396 date "+%D %T"
397 date "+%Y - %m - %d"
398 date "+%Y/%m/%d"
399 date "+%A %B %d %y %T"
400 date "+%A %B %d %Y %T"
401 info date
402 date --date "tomorrow"
403 date --date "2 years ago"
404 cal 10 2025
405 cal 2025
406 cal -3
407 cal -5
408 cal --5
409 bc
410 bc <<< "scale=2; 12/5"
411 bc <<< "2^10"
412 uname -o
413 uname -i
414 uname -n
```

```
415 uname -v
416 uname -s
417 uname -m
418 uname -r
419 uname -a
420 echo -e "Hello \t World"
421 echo -n "Hello world"
422 echo "Welcome to \"Linux Training\""
423 echo "date"
424 echo date
425 echo `date`
426 echo "Welcome to
427 \"Linux\"
428 Training"
429 seq 20 -2 1
430 seq -s " " 10
431 seq -s " " 5 10
432 seq -s " " 5 3 15
433 rev <<< linux training
434 rev <<< linux
435 history 10
436 seq 1 3 10
437 date --date "2 years ago"
438 echo $?
439 unam -r
440 rev training
441 rev <<training
442 "
443 quite
444 ""
445 echo $?
446 unam -r
```

447 echo \$?

448 unam -r

449 sudo apt install <deb name>

450 unam -r

451 uname -r

452 echo \$?

453 man cat

454 nano test

455 ls

456 cd training

457 ls

458 cd

459 cd ..

460 cd /home

461 ped

462 pwd

463 ls

464 cd training

465 mkdir training

466 cd

467 cd new

468 cd ..

469 cd new

470 cd ..

471 cd new

472 cd

473 cd -

474 cd

475 pwd

476 cd -

477 pwd

478 cd

```
479 mkdir stepin
480 cd stepin
481 ls
482 cd sdlc
483 mkdir -p models/agile
484 ls
485 cd models
486 ls
487 cd
488 ls
489 ls -l
490 ls -a
491 ls -R
492 cd stepin
493 ls -R
494 cd agile
495 cd sdlc
496 cd models
497 nano cicd
498 wc cicd
499 wc this is day 2 of the training
500 cd
501 wc this is day 2 of the training
502 wc cicd
503 ls
504 wc newfile.txt
505 wc cicd
506 wc cicd.txt
507 ls
508 wc cicd.txt
509 wc cicd
510 touch cicd.txt
```

511 wc cisd

512 wc newfile.txt

513 touch cisd.txt

514 wc cisd

515 clear

516 wc

517 touch newfile.txt

518 ls

519 nano newfile.txt

520 cat newfile.txt

521 cat cisd

522 cat cisd > new.txt

523 cat new.txt

524 cat -n cisd

525 tac cisd

526 cd ..

527 ls

528 cd ..

529 cd

530 ls

531 cd~

532 cd ~

533 pwd

534 touch newfile.txt

535 ls

536 cat newfile.txt

537 cat cisd

538 cat cisd > new.txt

539 ls

540 cat cisd > new.txt

541 cat cisd

542 cat cisd.txt > new.txt


```
543 cat cicd
544 cat cicd.txt
545 cat -n cicd.txt
546 tac cicd.txt
547 cd..
548 cd ..
549 ls
550 cp demo newfile stepin
551 cp demo newfile.txt stepin
552 ls
553 cd stepin
554 ls
555 cp -r training stepin
556 cd
557 cd ..
558 ls
559 cd ..
560 cd
561 ls
562 cp demo newfile stepin
563 cp demo newfile.txt stepin
564 ls
565 cd stepin
566 ls
567 cp -r training stepin
568 cp -r training.txt stepin
569 cd
570 cp -r training.txt stepin
571 cd stepin
572 ls
573 mv newfile.txt Day2
574 ls
```

575 rm Day2

576 ls

577 cd

578 ls

579 rm n*

580 rm newfile.txt newfile.txt.save

581 rm -r n*

582 ls

583 cd new

584 ls cd rm -r new

585 ls

586 history