

DTL LINUX 40 COMMAND ASSIGNMENT

pwd, cd, ls

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx: ~/Desktop/dtl-assignments
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ pwd
/home/spandan/Desktop
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ cd dtl-assignments/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls
class_SY-Div1.pdf 'DTL - Bash Scripting.pptx' 'DTL - Forty Linux Commands (2).pptx' 'linux commands_for execution.docx'
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l
total 2684
-rw-rw-r-- 1 spandan spandan 10517 Jan 3 19:59 class_SY-Div1.pdf
-rw-rw-r-- 1 spandan spandan 2408779 Jan 3 19:59 'DTL - Bash Scripting.pptx'
-rw-rw-r-- 1 spandan spandan 311812 Jan 3 19:59 'DTL - Forty Linux Commands (2).pptx'
-rw-rw-r-- 1 spandan spandan 14720 Jan 3 19:59 'linux commands_for execution.docx'
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ mkdir abc
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ mv abc .abc
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls
class_SY-Div1.pdf 'DTL - Bash Scripting.pptx' 'DTL - Forty Linux Commands (2).pptx' 'linux commands_for execution.docx'
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -a
. .abc class_SY-Div1.pdf 'DTL - Bash Scripting.pptx' 'DTL - Forty Linux Commands (2).pptx' 'linux commands_for execution.docx'
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$
```

cat

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cat a.txt - b.txt
Hello World

This is a sentence.
This is a sentence.
This document is created using cat command.spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$
```

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cat a.txt
cat: a.txt: No such file or directory
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cat > a.txt
Hello Worldspandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cat > b.txt
This document is created using cat command.spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cat a.txt b.txt > c.txt
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cat c.txt
Hello WorldThis document is created using cat command.spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ tac a.txt
Hello Worldspandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$
```

cp

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cp b.txt /home/spandan/Desktop/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cd /home/spandan/Desktop/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ ls
b.txt dtl-assignments IC 'PPL Assignments'
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ mkdir directory-1
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ cp -R /home/spandan/Desktop/directory-1 /home/spandan/Desktop/dtl-assignments
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cd /home/spandan/Desktop/dtl-assignments
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls
assignment-1.doc a.txt b.txt class_SY-Div1.pdf c.txt directory-1 'DTL - Bash Scripting.pptx' 'DTL - Forty Linux Commands (2).pptx' 'linux commands_for execution.docx'
```

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cp a.txt b.txt
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cat b.txt
dlroW olleH
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cp b.txt c.txt /home/spandan/Desktop/dtl-assignments/directory-1/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cd /home/spandan/Desktop/dtl-assignments/directory-1/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments/directory-1$ ls
b.txt c.txt
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments/directory-1$
```

mv

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ mv a.txt /home/spandan/Desktop/dtl-assignments/directory-1/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls
assignment-1.doc b.txt class_SY-Div1.pdf c.txt directory-1 'DTL - Bash Scripting.pptx' 'DTL - Forty Linux Commands (2).pptx' 'linux commands_for execution.docx'
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cd directory-1/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments/directory-1$ ls
a.txt b.txt c.txt
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments/directory-1$
```

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ mv a.txt /home/spandan/Desktop/dtl-assignments/directory-1/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls
assignment-1.doc b.txt class_SY-Div1.pdf c.txt directory-1 'DTL - Bash Scripting.pptx' 'DTL - Forty Linux Commands (2).pptx' 'linux commands_for execution.docx'
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cd directory-1/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments/directory-1$ ls
a.txt b.txt c.txt
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments/directory-1$ cd /home/spandan/Desktop/dtl-assignments/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ mv b.txt p.txt
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls
assignment-1.doc class_SY-Div1.pdf c.txt directory-1 'DTL - Bash Scripting.pptx' 'DTL - Forty Linux Commands (2).pptx' 'linux commands_for execution.docx' p.txt
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$
```

mkdir

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ mkdir -m777 directory-2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l
total 2996
-rw-rw-r-- 1 spandan spandan 299520 Jan 3 20:16 assignment-1.doc
-rw-rw-r-- 1 spandan spandan 10517 Jan 3 19:59 class_SY-Div1.pdf
-rw-rw-r-- 1 spandan spandan 54 Jan 3 20:42 c.txt
drwxrwxr-x 2 spandan spandan 4096 Jan 3 21:14 directory-1
drwxrwxrwx 2 spandan spandan 4096 Jan 3 21:25 directory-2
-rw-rw-r-- 1 spandan spandan 2400779 Jan 3 19:59 'DTL - Bash Scripting.pptx'
-rw-rw-r-- 1 spandan spandan 311812 Jan 3 19:59 'DTL - Forty Linux Commands (2).pptx'
-rw-rw-r-- 1 spandan spandan 14720 Jan 3 19:59 'linux commands_for execution.docx'
-rw-rw-r-- 1 spandan spandan 12 Jan 3 21:04 p.txt
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$
```

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ mkdir -m777 directory-2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l
total 2996
-rw-rw-r-- 1 spandan spandan 299520 Jan 3 20:16 assignment-1.doc
-rw-rw-r-- 1 spandan spandan 10517 Jan 3 19:59 class_SY-Div1.pdf
-rw-rw-r-- 1 spandan spandan 54 Jan 3 20:42 c.txt
drwxrwxr-x 2 spandan spandan 4096 Jan 3 21:14 directory-1
drwxrwxrwx 2 spandan spandan 4096 Jan 3 21:25 directory-2
-rw-rw-r-- 1 spandan spandan 2400779 Jan 3 19:59 'DTL - Bash Scripting.pptx'
-rw-rw-r-- 1 spandan spandan 311812 Jan 3 19:59 'DTL - Forty Linux Commands (2).pptx'
-rw-rw-r-- 1 spandan spandan 14720 Jan 3 19:59 'linux commands_for execution.docx'
-rw-rw-r-- 1 spandan spandan 12 Jan 3 21:04 p.txt
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ mkdir -p directory-3/dir-3-1/dir-3-1-1
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls
assignment-1.doc class_SY-Div1.pdf c.txt directory-1 directory-2 directory-3 'DTL - Bash Scripting.pptx' 'DTL - Forty Linux Commands (2).pptx' 'linux commands_for execution.docx' p.txt
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cd directory-3/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments/directory-3$ ls
dir-3-1
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments/directory-3$ cd dir-3-1/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments/directory-3/dir-3-1$ ls
dir-3-1-1
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments/directory-3/dir-3-1$
```

rmdir

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ rmdir directory-3
rmdir: failed to remove 'directory-3': Directory not empty
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ rmdir -p directory-3/dir-3-1/dir-3-1-1/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ cd directory-3/
bash: cd: directory-3/: No such file or directory
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls
assignment-1.doc class_SY-Div1.pdf c.txt directory-1 directory-2 directory-3 'DTL - Bash Scripting.pptx' 'DTL - Forty Linux Commands (2).pptx' 'linux commands_for execution.docx' p.txt
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$
```

touch

```
spandan@spandan-HP-Notebook:~/Desktop/dtl-assignments$ touch a.txt
spandan@spandan-HP-Notebook:~/Desktop/dtl-assignments$ ls -l
total 1548
-rw-rw-r-- 1 spandan spandan 1268224 Jan 4 10:49 assignment-1.doc
-rw-rw-r-- 1 spandan spandan 0 Jan 4 11:27 a.txt
-rw-rw-r-- 1 spandan spandan 311812 Jan 4 10:48 'DTL - Forty Linux Commands (2).pptx'
spandan@spandan-HP-Notebook:~/Desktop/dtl-assignments$ touch b.txt c.txt
spandan@spandan-HP-Notebook:~/Desktop/dtl-assignments$ ls -l
total 1548
-rw-rw-r-- 1 spandan spandan 1268224 Jan 4 10:49 assignment-1.doc
-rw-rw-r-- 1 spandan spandan 0 Jan 4 11:27 a.txt
-rw-rw-r-- 1 spandan spandan 0 Jan 4 11:28 b.txt
-rw-rw-r-- 1 spandan spandan 0 Jan 4 11:28 c.txt
-rw-rw-r-- 1 spandan spandan 311812 Jan 4 10:48 'DTL - Forty Linux Commands (2).pptx'
spandan@spandan-HP-Notebook:~/Desktop/dtl-assignments$ touch -t 202301040912.22 a.txt
spandan@spandan-HP-Notebook:~/Desktop/dtl-assignments$ ls -lu a.txt
-rw-rw-r-- 1 spandan spandan 0 Jan 4 09:12 a.txt
spandan@spandan-HP-Notebook:~/Desktop/dtl-assignments$ touch -d '5 Jan' a.txt
spandan@spandan-HP-Notebook:~/Desktop/dtl-assignments$ ls -lu a.txt
-rw-rw-r-- 1 spandan spandan 0 Jan 5 2023 a.txt
spandan@spandan-HP-Notebook:~/Desktop/dtl-assignments$ touch -d '08:20' a.txt
spandan@spandan-HP-Notebook:~/Desktop/dtl-assignments$ ls -lu a.txt
-rw-rw-r-- 1 spandan spandan 0 Jan 4 08:20 a.txt
spandan@spandan-HP-Notebook:~/Desktop/dtl-assignments$
```

locate

```

spandan@spandan-HP-Notebook:~$ locate b.txt
/etc/X11/rgb.txt
/home/spandan/.local/share/Trash/files/b.txt
/home/spandan/.local/share/Trash/info/b.txt.trashinfo
/home/spandan/Desktop/dtl-assignments/b.txt
/snap/gnome-3-28-1804/161/etc/X11/rgb.txt
/snap/gnome-3-28-1804/161/usr/share/X11/rgb.txt
/snap/gnome-3-38-2004/115/etc/X11/rgb.txt
/snap/gnome-3-38-2004/115/usr/share/X11/rgb.txt
/snap/gnome-3-38-2004/119/etc/X11/rgb.txt
/snap/gnome-3-38-2004/119/usr/share/X11/rgb.txt
/snap/snap-store/558/usr/share/gnupg/help.nb.txt
/usr/lib/firmware/brcm/brcmfmac43430-sdio.raspberrypi,3-model-b.txt
/usr/lib/firmware/brcm/brcmfmac43455-sdio.raspberrypi,4-model-b.txt
/usr/share/X11/rgb.txt
/usr/share/doc/alsa-base/driver/Audiophile-Usb.txt.gz
/usr/share/doc/syslinux-common/txt/distrib.txt
/usr/share/doc/xorg/howto/use-gdb.txt.gz
/usr/share/gnupg/help.nb.txt
spandan@spandan-HP-Notebook:~$ locate "*.html" -n 20
/snap/core18/2667/usr/share/doc/python3/python-policy.html
/snap/core18/2667/usr/share/doc/python3.6/python-policy.html
/snap/core20/1611/usr/share/doc/python3/python-policy.html
/snap/core20/1611/usr/share/doc/python3.8/python-policy.html
/snap/core20/1778/usr/share/doc/python3/python-policy.html
/snap/core20/1778/usr/share/doc/python3.8/python-policy.html
/snap/gnome-3-28-1804/161/usr/share/doc/fontconfig/fontconfig-user.html
/snap/gnome-3-28-1804/161/usr/share/doc/libfreetype6/ft2faq.html
/snap/gnome-3-28-1804/161/usr/share/doc/python3/python-policy.html
/snap/gnome-3-28-1804/161/usr/share/doc/python3/python-policy.html/build_dependencies.html
/snap/gnome-3-28-1804/161/usr/share/doc/python3/python-policy.html/embed.html
/snap/gnome-3-28-1804/161/usr/share/doc/python3/python-policy.html/index.html
/snap/gnome-3-28-1804/161/usr/share/doc/python3/python-policy.html/module_packages.html
/snap/gnome-3-28-1804/161/usr/share/doc/python3/python-policy.html/other.html
/snap/gnome-3-28-1804/161/usr/share/doc/python3/python-policy.html/packaging_tools.html
/snap/gnome-3-28-1804/161/usr/share/doc/python3/python-policy.html/programs.html
/snap/gnome-3-28-1804/161/usr/share/doc/python3/python-policy.html/python.html
/snap/gnome-3-28-1804/161/usr/share/doc/python3/python-policy.html/python3.html
/snap/gnome-3-28-1804/161/usr/share/doc/python3/python-policy.html/upgrade.html
/snap/gnome-3-28-1804/161/usr/share/doc/python3.6/python-policy.html
spandan@spandan-HP-Notebook:~$

```

```

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ locate -l b.txt
/etc/X11/rgb.txt
/home/spandan/.local/share/Trash/files/directory-1/b.txt
/home/spandan/Desktop/b.txt
/home/spandan/Desktop/dtl-assignments/directory-1/b.txt
/home/spandan/Downloads/Python-3.11.1/Lib/test/cjkencodings/johab.txt
/snap/gnome-3-28-1804/161/etc/X11/rgb.txt
/snap/gnome-3-28-1804/161/usr/share/X11/rgb.txt
/snap/gnome-3-38-2004/115/etc/X11/rgb.txt
/snap/gnome-3-38-2004/115/usr/share/X11/rgb.txt
/snap/gnome-3-38-2004/119/etc/X11/rgb.txt
/snap/gnome-3-38-2004/119/usr/share/X11/rgb.txt
/snap/snap-store/599/usr/share/gnupg/help.nb.txt
/snap/snap-store/638/usr/share/gnupg/help.nb.txt
/snap/vlc/3078/etc/X11/rgb.txt
/snap/vlc/3078/usr/share/X11/rgb.txt
/usr/lib/firmware/brcm/brcmfmac43430-sdio.raspberrypi,3-model-b.txt
/usr/lib/firmware/brcm/brcmfmac43455-sdio.raspberrypi,4-model-b.txt
/usr/local/lib/python3.11/test/cjkencodings/johab.txt
/usr/share/X11/rgb.txt
/usr/share/doc/alsa-base/driver/Audiophile-Usb.txt.gz
/usr/share/doc/syslinux-common/txt/distrib.txt
/usr/share/doc/xorg/howto/use-gdb.txt.gz
/usr/share/gnupg/help.nb.txt
/usr/share/snmp/mibs/PM-SENSORS-MIB.txt
/usr/share/snmp/mibs/NET-SNMP-AGENT-MIB.txt
/usr/share/snmp/mibs/NET-SNMP-EXAMPLES-MIB.txt
/usr/share/snmp/mibs/NET-SNMP-EXTEND-MIB.txt
/usr/share/snmp/mibs/NET-SNMP-MIB.txt
/usr/share/snmp/mibs/NET-SNMP-MONITOR-MIB.txt
/usr/share/snmp/mibs/NET-SNMP-PASS-MIB.txt
/usr/share/snmp/mibs/NET-SNMP-PERIODIC-NOTIFY-MIB.txt
/usr/share/snmp/mibs/NET-SNMP-SYSTEM-MIB.txt
/usr/share/snmp/mibs/NET-SNMP-VACM-MIB.txt
/usr/share/snmp/mibs/UCD-DEMO-MIB.txt
/usr/share/snmp/mibs/UCD-DISKIO-MIB.txt
/usr/share/snmp/mibs/UCD-DLOAD-MIB.txt
/usr/share/snmp/mibs/UCD-IPFILTER-MIB.txt
/usr/share/snmp/mibs/UCD-IPWACC-MIB.txt
/usr/share/snmp/mibs/UCD-SNMP-MIB.txt
/usr/share/vln/vln81/rgb.txt

```

find

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ find -name d.txt
./Desktop/dtl-assignments/directory-2/directory-3/directory-4/d.txt
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ find . -i D.txt
find: unknown predicate `-i'
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ find . -iname D.txt
./Desktop/dtl-assignments/directory-2/directory-3/directory-4/d.txt
```

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ find . -type d
.
./directory-1
./directory-2
./directory-2/directory-3
./directory-2/directory-3/directory-4
./abc
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ find . -type f
./class_SY-Div1.pdf
./c.txt
./~lock.DTL - Forty Linux Commands (2).pptx#
./DTL - Forty Linux Commands (2).pptx
./test2
./test1
./test
./p.txt
./test3
./new_test
./directory-1/c.txt
./directory-1/b.txt
./directory-1/a.txt
./linux_commands_for_execution.docx
./directory-2/directory-3/directory-4/d.txt
./~lock.assignment-1.doc#
./DTL - Bash Scripting.pptx
./testc
./assignment-1.doc
./testa
./testb
```



```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ find . -name "*.txt"
./c.txt
./p.txt
./directory-1/c.txt
./directory-1/b.txt
./directory-1/a.txt
./directory-2/directory-3/directory-4/d.txt
```

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ find . -iname d.txt -exec rm {} \;
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ find . -name d.txt
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ find . -name "*.txt" -delete
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ find . -name "*.txt"
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ find . -type f -size -1024c
./.-lock.DTL - Forty Linux Commands (2).pptx#
./test2
./test1
./test
./test3
./new_test
./.-lock.assignment-1.doc#
./testc
./testa
./testb
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ find . -type f -size 1M
./class_SY-Div1.pdf
./.-lock.DTL - Forty Linux Commands (2).pptx#
./DTL - Forty Linux Commands (2).pptx
./linux_commands_for_execution.docx
./.-lock.assignment-1.doc#
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ find /var/log -mtime -7
find: unknown predicate `-7'
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ find . -perm 664
./class_SY-Div1.pdf
./.-lock.DTL - Forty Linux Commands (2).pptx#
./DTL - Forty Linux Commands (2).pptx
./test2
./test1
./test
./test3
./new_test
./linux_commands_for_execution.docx
./.-lock.assignment-1.doc#
./DTL - Bash Scripting.pptx
./testc
./assignment-1.doc
./testa
./testb
```

df

```

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ df
Filesystem      1K-blocks      Used Available Use% Mounted on
udev            3859368         0    3859368   0% /dev
tmpfs           779576         2576    777000    1% /run
/dev/nvme0n1p8  33331896 10328816  21277692  33% /
tmpfs           3897864      250448    3647416   7% /dev/shm
tmpfs           5120           4        5116    1% /run/lock
tmpfs           3897864         0    3897864   0% /sys/fs/cgroup
/dev/loop0       128          128         0 100% /snap/bare/5
/dev/loop1       64896        64896         0 100% /snap/core20/1778
/dev/loop2       168832      168832         0 100% /snap/gnome-3-28-1804/161
/dev/loop5       93952        93952         0 100% /snap/gtk-common-themes/1535
/dev/loop4       64768        64768         0 100% /snap/core20/1738
/dev/loop3       56960        56960         0 100% /snap/core18/2667
/dev/loop9       354688      354688         0 100% /snap/gnome-3-38-2004/115
/dev/loop10      56960        56960         0 100% /snap/core18/2654
/dev/loop8       84096        84096         0 100% /snap/whatsdesk/28
/dev/loop6       354688      354688         0 100% /snap/gnome-3-38-2004/119
/dev/loop7       173568      173568         0 100% /snap/spotify/60
/dev/loop11      47104        47104         0 100% /snap/snap-store/599
/dev/loop13      328192      328192         0 100% /snap/vlc/3078
/dev/loop12      47104        47104         0 100% /snap/snap-store/638
/dev/loop14      50816        50816         0 100% /snap/snapd/17883
/dev/nvme0n1p11 60484460 1459880  55919660   3% /home
/dev/nvme0n1p1  262144       97632    164512   38% /boot/efi
tmpfs           779572         40    779532    1% /run/user/1000
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            3.7G   0    3.7G   0% /dev
tmpfs           762M  2.6M  759M   1% /run
/dev/nvme0n1p8  32G   9.9G   21G   33% /
tmpfs           3.8G  197M   3.6G   6% /dev/shm
tmpfs           5.0M  4.0K   5.0M   1% /run/lock
tmpfs           3.8G   0    3.8G   0% /sys/fs/cgroup
/dev/loop0      128K  128K     0 100% /snap/bare/5
/dev/loop1       64M   64M     0 100% /snap/core20/1778
/dev/loop2      165M  165M     0 100% /snap/gnome-3-28-1804/161
/dev/loop5       92M   92M     0 100% /snap/gtk-common-themes/1535
/dev/loop4       64M   64M     0 100% /snap/core20/1738
/dev/loop3       56M   56M     0 100% /snap/core18/2667
/dev/loop9      347M  347M     0 100% /snap/gnome-3-38-2004/115
/dev/loop10      56M   56M     0 100% /snap/core18/2654
/dev/loop8       83M   83M     0 100% /snap/whatsdesk/28
/dev/loop6      347M  347M     0 100% /snap/gnome-3-38-2004/119
/dev/loop7      170M  170M     0 100% /snap/spotify/60
/dev/loop11      46M   46M     0 100% /snap/snap-store/599
/dev/loop13     321M  321M     0 100% /snap/vlc/3078
/dev/loop12      46M   46M     0 100% /snap/snap-store/638
/dev/loop14      50M   50M     0 100% /snap/snapd/17883
/dev/nvme0n1p11  58G   1.4G   54G   3% /home
/dev/nvme0n1p1  256M   96M  161M  38% /boot/efi
tmpfs           762M  40K   762M   1% /run/user/1000

```



```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ df -m
```

Filesystem	1M-blocks	Used	Available	Use%	Mounted on
udev	3769	0	3769	0%	/dev
tmpfs	762	3	759	1%	/run
/dev/nvme0n1p8	32551	10089	20778	33%	/
tmpfs	3807	155	3652	5%	/dev/shm
tmpfs	5	1	5	1%	/run/lock
tmpfs	3807	0	3807	0%	/sys/fs/cgroup
/dev/loop0	1	1	0	100%	/snap/bare/5
/dev/loop1	64	64	0	100%	/snap/core20/1778
/dev/loop2	165	165	0	100%	/snap/gnome-3-28-1804/161
/dev/loop5	92	92	0	100%	/snap/gtk-common-themes/1535
/dev/loop4	64	64	0	100%	/snap/core20/1738
/dev/loop3	56	56	0	100%	/snap/core18/2667
/dev/loop9	347	347	0	100%	/snap/gnome-3-38-2004/115
/dev/loop10	56	56	0	100%	/snap/core18/2654
/dev/loop8	83	83	0	100%	/snap/whatsdesk/28
/dev/loop6	347	347	0	100%	/snap/gnome-3-38-2004/119
/dev/loop7	170	170	0	100%	/snap/spotify/60
/dev/loop11	46	46	0	100%	/snap/snap-store/599
/dev/loop13	321	321	0	100%	/snap/vlc/3078
/dev/loop12	46	46	0	100%	/snap/snap-store/638
/dev/loop14	50	50	0	100%	/snap/snapd/17883
/dev/nvme0n1p11	59067	1426	54609	3%	/home
/dev/nvme0n1p1	256	96	161	38%	/boot/efi
tmpfs	762	1	762	1%	/run/user/1000

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ df -k
```

Filesystem	1K-blocks	Used	Available	Use%	Mounted on
udev	3859368	0	3859368	0%	/dev
tmpfs	779576	2576	777000	1%	/run
/dev/nvme0n1p8	33331896	10330244	21276264	33%	/
tmpfs	3897864	158452	3739412	5%	/dev/shm
tmpfs	5120	4	5116	1%	/run/lock
tmpfs	3897864	0	3897864	0%	/sys/fs/cgroup
/dev/loop0	128	128	0	100%	/snap/bare/5
/dev/loop1	64896	64896	0	100%	/snap/core20/1778
/dev/loop2	168832	168832	0	100%	/snap/gnome-3-28-1804/161
/dev/loop5	93952	93952	0	100%	/snap/gtk-common-themes/1535
/dev/loop4	64768	64768	0	100%	/snap/core20/1738
/dev/loop3	56960	56960	0	100%	/snap/core18/2667
/dev/loop9	354688	354688	0	100%	/snap/gnome-3-38-2004/115
/dev/loop10	56960	56960	0	100%	/snap/core18/2654
/dev/loop8	84096	84096	0	100%	/snap/whatsdesk/28
/dev/loop6	354688	354688	0	100%	/snap/gnome-3-38-2004/119
/dev/loop7	173568	173568	0	100%	/snap/spotify/60
/dev/loop11	47104	47104	0	100%	/snap/snap-store/599
/dev/loop13	328192	328192	0	100%	/snap/vlc/3078
/dev/loop12	47104	47104	0	100%	/snap/snap-store/638
/dev/loop14	50816	50816	0	100%	/snap/snapd/17883
/dev/nvme0n1p11	60484460	1460092	55919448	3%	/home
/dev/nvme0n1p1	262144	97632	164512	38%	/boot/efi
tmpfs	779572	40	779532	1%	/run/user/1000

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ df -T
```

Filesystem	Type	1K-blocks	Used	Available	Use%	Mounted on
udev	devtmpfs	3859368	0	3859368	0%	/dev
tmpfs	tmpfs	779576	2576	777000	1%	/run
/dev/nvme0n1p8	ext4	33331896	10330244	21276264	33%	/
tmpfs	tmpfs	3897864	154352	3743512	4%	/dev/shm
tmpfs	tmpfs	5120	4	5116	1%	/run/lock
tmpfs	tmpfs	3897864	0	3897864	0%	/sys/fs/cgroup
/dev/loop0	squashfs	128	128	0	100%	/snap/bare/5
/dev/loop1	squashfs	64896	64896	0	100%	/snap/core20/1778
/dev/loop2	squashfs	168832	168832	0	100%	/snap/gnome-3-28-1804/161
/dev/loop5	squashfs	93952	93952	0	100%	/snap/gtk-common-themes/1535
/dev/loop4	squashfs	64768	64768	0	100%	/snap/core20/1738
/dev/loop3	squashfs	56960	56960	0	100%	/snap/core18/2667
/dev/loop9	squashfs	354688	354688	0	100%	/snap/gnome-3-38-2004/115
/dev/loop10	squashfs	56960	56960	0	100%	/snap/core18/2654
/dev/loop8	squashfs	84096	84096	0	100%	/snap/whatsdesk/28
/dev/loop6	squashfs	354688	354688	0	100%	/snap/gnome-3-38-2004/119
/dev/loop7	squashfs	173568	173568	0	100%	/snap/spotify/60
/dev/loop11	squashfs	47104	47104	0	100%	/snap/snap-store/599
/dev/loop13	squashfs	328192	328192	0	100%	/snap/vlc/3078
/dev/loop12	squashfs	47104	47104	0	100%	/snap/snap-store/638
/dev/loop14	squashfs	50816	50816	0	100%	/snap/snapd/17883
/dev/nvme0n1p11	ext4	60484460	1460108	55919432	3%	/home
/dev/nvme0n1p1	vfat	262144	97632	164512	38%	/boot/efi
tmpfs	tmpfs	779572	40	779532	1%	/run/user/1000

du

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ du -s /home/spandan/Desktop/dtl-assignments/
4280 /home/spandan/Desktop/dtl-assignments/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ du -m /home/spandan/Desktop/dtl-assignments/
1 /home/spandan/Desktop/dtl-assignments/directory-1
1 /home/spandan/Desktop/dtl-assignments/directory-2/directory-3/directory-4
1 /home/spandan/Desktop/dtl-assignments/directory-2/directory-3
1 /home/spandan/Desktop/dtl-assignments/directory-2
1 /home/spandan/Desktop/dtl-assignments/.abc
5 /home/spandan/Desktop/dtl-assignments/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ du -k /home/spandan/Desktop/dtl-assignments/
4 /home/spandan/Desktop/dtl-assignments/directory-1
4 /home/spandan/Desktop/dtl-assignments/directory-2/directory-3/directory-4
8 /home/spandan/Desktop/dtl-assignments/directory-2/directory-3
12 /home/spandan/Desktop/dtl-assignments/directory-2
4 /home/spandan/Desktop/dtl-assignments/.abc
4280 /home/spandan/Desktop/dtl-assignments/
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ du -h /home/spandan/Desktop/dtl-assignments/
4.0K /home/spandan/Desktop/dtl-assignments/directory-1
4.0K /home/spandan/Desktop/dtl-assignments/directory-2/directory-3/directory-4
8.0K /home/spandan/Desktop/dtl-assignments/directory-2/directory-3
12K /home/spandan/Desktop/dtl-assignments/directory-2
4.0K /home/spandan/Desktop/dtl-assignments/.abc
4.2M /home/spandan/Desktop/dtl-assignments/
```

head

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ head a.txt
This is a text document.
This is a text document.
This is a text document.
This is a text document.
This is a text document.
This is a text document.
This is a text document.
This is a text document.
This is a text document.
This is a text document.
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ head -5 a.txt
This is a text document.
This is a text document.
This is a text document.
This is a text document.
This is a text document.
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ head -c a.txt
head: invalid number of bytes: 'a.txt'
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ head -q a.txt
This is a text document.
This is a text document.
This is a text document.
This is a text document.
This is a text document.
This is a text document.
This is a text document.
This is a text document.
This is a text document.
```

```

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ diff file1.txt file2.txt
1d0
< Apple
2a2,3
> Peach
> Apple
4c5
< Watermelon
---
> Melon
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ diff -c file1.txt file2.txt
*** file1.txt    2023-01-05 21:06:30.316105109 +0530
--- file2.txt    2023-01-05 21:07:55.031175074 +0530
*****
*** 1,6 ****
- Apple
  Orange
  Banana
! Watermelon
  Cherry

--- 1,7 ----
  Orange
+ Peach
+ Apple
  Banana
! Melon
  Cherry

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ diff -u file1.txt file2.txt
--- file1.txt    2023-01-05 21:06:30.316105109 +0530
+++ file2.txt    2023-01-05 21:07:55.031175074 +0530
@@ -1,6 +1,7 @@
-Apple
  Orange
+Peach
+Apple
  Banana
-Watermelon
+Melon
  Cherry

```

```

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ diff -i file1.txt file2.txt
1d0
< Apple
2a2,3
> Peach
> Apple
4c5
< Watermelon
---
> Melon

```

tar

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ tar -cvf file1.tar /home/spandan/Desktop/dtl-assignments/
tar: Removing leading `/' from member names
/home/spandan/Desktop/dtl-assignments/
/home/spandan/Desktop/dtl-assignments/class_SY-Div1.pdf
/home/spandan/Desktop/dtl-assignments/c.txt
/home/spandan/Desktop/dtl-assignments/.~lock.DTL - Forty Linux Commands (2).pptx#
/home/spandan/Desktop/dtl-assignments/DTL - Forty Linux Commands (2).pptx
/home/spandan/Desktop/dtl-assignments/test2
/home/spandan/Desktop/dtl-assignments/file2.txt
/home/spandan/Desktop/dtl-assignments/directory-1/
/home/spandan/Desktop/dtl-assignments/linux commands_for execution.docx
/home/spandan/Desktop/dtl-assignments/directory-2/
/home/spandan/Desktop/dtl-assignments/directory-2/directory-3/
/home/spandan/Desktop/dtl-assignments/directory-2/directory-3/directory-4/
/home/spandan/Desktop/dtl-assignments/b.txt
/home/spandan/Desktop/dtl-assignments/.~lock.assignment-1.doc#
/home/spandan/Desktop/dtl-assignments/file1.txt
/home/spandan/Desktop/dtl-assignments/DTL - Bash Scripting.pptx
/home/spandan/Desktop/dtl-assignments/.abc/
/home/spandan/Desktop/dtl-assignments/a.txt
/home/spandan/Desktop/dtl-assignments/assignment-1.doc
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ ls
b.txt  dtl-assignments  file1.tar  IC  'PPL Assignments'
```

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ tar -cvzf file1.tar.gz /home/spandan/Desktop/dtl-assignments/
tar: Removing leading `/' from member names
/home/spandan/Desktop/dtl-assignments/
/home/spandan/Desktop/dtl-assignments/class_SY-Div1.pdf
/home/spandan/Desktop/dtl-assignments/c.txt
/home/spandan/Desktop/dtl-assignments/.~lock.DTL - Forty Linux Commands (2).pptx#
/home/spandan/Desktop/dtl-assignments/DTL - Forty Linux Commands (2).pptx
/home/spandan/Desktop/dtl-assignments/test2
/home/spandan/Desktop/dtl-assignments/file2.txt
/home/spandan/Desktop/dtl-assignments/directory-1/
/home/spandan/Desktop/dtl-assignments/linux commands_for execution.docx
/home/spandan/Desktop/dtl-assignments/directory-2/
/home/spandan/Desktop/dtl-assignments/directory-2/directory-3/
/home/spandan/Desktop/dtl-assignments/directory-2/directory-3/directory-4/
/home/spandan/Desktop/dtl-assignments/b.txt
/home/spandan/Desktop/dtl-assignments/.~lock.assignment-1.doc#
/home/spandan/Desktop/dtl-assignments/file1.txt
/home/spandan/Desktop/dtl-assignments/DTL - Bash Scripting.pptx
/home/spandan/Desktop/dtl-assignments/.abc/
/home/spandan/Desktop/dtl-assignments/a.txt
/home/spandan/Desktop/dtl-assignments/assignment-1.doc
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ ls
b.txt  dtl-assignments  file1.tar  file1.tar.gz  IC  'PPL Assignments'
```



```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ tar -uvf file1.tar IC
IC/
IC/Fishboneraw.docx
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop$ tar -xvf file1.tar
home/spandan/Desktop/dtl-assignments/
home/spandan/Desktop/dtl-assignments/class_SY-Div1.pdf
home/spandan/Desktop/dtl-assignments/c.txt
home/spandan/Desktop/dtl-assignments/.~lock.DTL - Forty Linux Commands (2).pptx#
home/spandan/Desktop/dtl-assignments/DTL - Forty Linux Commands (2).pptx
home/spandan/Desktop/dtl-assignments/test2
home/spandan/Desktop/dtl-assignments/file2.txt
home/spandan/Desktop/dtl-assignments/directory-1/
home/spandan/Desktop/dtl-assignments/linux commands_for execution.docx
home/spandan/Desktop/dtl-assignments/directory-2/
home/spandan/Desktop/dtl-assignments/directory-2/directory-3/
home/spandan/Desktop/dtl-assignments/directory-2/directory-3/directory-4/
home/spandan/Desktop/dtl-assignments/b.txt
home/spandan/Desktop/dtl-assignments/.~lock.assignment-1.doc#
home/spandan/Desktop/dtl-assignments/file1.txt
home/spandan/Desktop/dtl-assignments/DTL - Bash Scripting.pptx
home/spandan/Desktop/dtl-assignments/.abc/
home/spandan/Desktop/dtl-assignments/a.txt
home/spandan/Desktop/dtl-assignments/assignment-1.doc
IC/
IC/Fishboneraw.docx
```

chmod

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l
total 4276
-rw-rw-r-- 1 spandan spandan 1599488 Jan  4 21:01 assignment-1.doc
-rw-rw-r-- 1 spandan spandan    525 Jan  5 20:53 a.txt
-rw-rw-r-- 1 spandan spandan    1515 Jan  5 20:54 b.txt
-rw-rw-r-- 1 spandan spandan   10517 Jan  3 19:59 class_SY-Div1.pdf
-rw-rw-r-- 1 spandan spandan    443 Jan  5 20:57 c.txt
drwxrwxr-x 2 spandan spandan    4096 Jan  5 20:16 directory-1
drwxrwxrwx 3 spandan spandan    4096 Jan  5 19:56 directory-2
-rw-rw-r-- 1 spandan spandan 2400779 Jan  3 19:59 'DTL - Bash Scripting.pptx'
-rw-rw-r-- 1 spandan spandan 311812 Jan  3 19:59 'DTL - Forty Linux Commands (2).pptx'
-rw-r--r-- 1 root root      39 Jan  5 21:06 file1.txt
-rw-r--r-- 1 root root      40 Jan  5 21:07 file2.txt
-rw-rw-r-- 1 spandan spandan 14720 Jan  3 19:59 'linux commands_for execution.docx'
-rw-rw-r-- 1 spandan spandan     0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
-rw-rw-r-- 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod 400 test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
-r----- 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod 040 test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
----r----- 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod 004 test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
-----r-- 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod 200 test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
--w----- 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod 020 test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
-----w--- 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod 002 test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
-----w- 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod 100 test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
---x----- 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod 010 test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
-----x-- 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod 001 test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
-----x 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod 421 test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
-r--w---x 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod 777 test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
-rwxrwxrwx 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod a+r test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
-r--r--r-- 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod u+x test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
-r-xr--r-- 1 spandan spandan 0 Jan  4 20:39 test2

spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ chmod g+w test2
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls -l test2
-r-xrw-r-- 1 spandan spandan 0 Jan  4 20:39 test2
```

uname

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ uname
Linux
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ uname -a
Linux spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx 5.15.0-56-generic #62-20.04.1-Ubuntu SMP Tue Nov 22 21:24:20 UTC 2022 x86_64
x86_64 x86_64 GNU/Linux
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ uname -s
Linux
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ uname -n
spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx
```

top

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ top

top - 22:13:28 up 2:36, 1 user, load average: 0.66, 0.54, 0.57
Tasks: 323 total, 1 running, 322 sleeping, 0 stopped, 0 zombie
%Cpu(s): 3.7 us, 0.3 sy, 0.0 ni, 95.9 id, 0.1 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 7613.0 total, 1854.1 free, 1960.7 used, 3798.2 buff/cache
MiB Swap: 7721.0 total, 7721.0 free, 0.0 used. 4082.0 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM     TIME+ COMMAND
 14299 spandan   20   0 1130.0g 217820 110736 S   44.6   2.8   4:06.71 chrome
  4885 spandan   20   0  32.9g 178984 114776 S    3.6   2.3 13:23.79 chrome
    38 root      rt    0        0        0 S    0.3   0.0  0:00.13 migration/4
   986 root      20   0 1909476 45908  19884 S    0.3   0.6  0:02.70 snapd
  1769 spandan   20   0 2417672 106036 64564 S    0.3   1.4  5:15.41 Xorg
  1928 spandan   20   0 4835844 292460 105540 S    0.3   3.8  6:27.62 gnome-shell
  2312 spandan   20   0  471484  10700  9260 S    0.3   0.1  0:00.59 xdg-desktop-por
  3498 spandan   20   0 1737584 425688 164588 S    0.3   5.5  2:29.92 soffice.bin
  4840 spandan   20   0  32.9g 477084 353168 S    0.3   6.1  5:14.01 chrome
15494 root      20   0        0        0 I    0.3   0.0  0:00.01 kworker/11:2-mm_percpu_wq
15557 spandan   20   0  20724   4068   3160 R    0.3   0.1  0:00.01 top
    1 root      20   0 168328  11672  8332 S    0.0   0.1  0:01.43 systemd
    2 root      20   0        0        0 S    0.0   0.0  0:00.01 kthreadd
    3 root      0 -20        0        0 I    0.0   0.0  0:00.00 rcu_gp
    4 root      0 -20        0        0 I    0.0   0.0  0:00.00 rcu_par_gp
    5 root      0 -20        0        0 I    0.0   0.0  0:00.00 netns
    7 root      0 -20        0        0 I    0.0   0.0  0:00.00 kworker/0:0H-events_highpri
    9 root      0 -20        0        0 I    0.0   0.0  0:00.00 mm_percpu_wq
   10 root      20   0        0        0 S    0.0   0.0  0:00.00 rcu_tasks_rude_
   11 root      20   0        0        0 S    0.0   0.0  0:00.00 rcu_tasks_trace
   12 root      20   0        0        0 S    0.0   0.0  0:00.11 ksoftirqd/0
   13 root      20   0        0        0 I    0.0   0.0  0:07.71 rcu_sched
   14 root      rt    0        0        0 S    0.0   0.0  0:00.05 migration/0
```

history

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ history
 1 sudo apt install vim
 2 sudo apt update && sudo apt upgrade
 3 vi hello.c
 4 vi as1.c
 5 gcc -v
 6 sudo apt install gcc
 7 clear
 8 gcc -v
 9 sudo apt-get install gcc
10 sudo apt-get install build-essential
11 cls
12 clear
13 sudo apt update
14 sudo apt install gcc g++
15 clear
16 gcc -v
17 sudo gcc -v
18 clear
19 gcc --version
20 sudo apt-get install gcc g++
21 clear
22 sudo apt install gcc g++
23 sudo apt install build-essentials
24 sudo apt install build-essential
25 sudo apt install build-essential
26 gcc --version
27 g++ --version
28 sudo apt install gdb
29 gdb --version
30 vi as1.c
31 cd Downloads
32 ls
33 sudo apt install ./google-chrome-stable_current_amd64.deb
34 clear
35 sudo snap install whatsdesk
36 sudo apt-get update
37 clear
38 sudo apt install vlc
```

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ history -d 1
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ history
 1 sudo apt update && sudo apt upgrade
 2 vi hello.c
 3 vi as1.c
 4 gcc -v
 5 sudo apt install gcc
 6 clear
```

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ history -c
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ history
 1 history
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$
```

man

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ man -f sleep
sleep (1)          - delay for a specified amount of time
sleep (3)          - sleep for a specified number of seconds
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ man 3 sleep
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ man -a sleep
--Man-- next: sleep(3) [ view (return) | skip (Ctrl-D) | quit (Ctrl-C) ]
^C
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ man -k sleep
clock_nanosleep (2) - high-resolution sleep with specifiable clock
nanosleep (2)       - high-resolution sleep
rtctime (8)         - enter a system sleep state until specified wakeup time
sleep (1)           - delay for a specified amount of time
sleep (3)           - sleep for a specified number of seconds
sleep.conf.d (5)    - Suspend and hibernation configuration file
systemd-hibernate.service (8) - System sleep state logic
systemd-hybrid-sleep.service (8) - System sleep state logic
systemd-sleep (8)   - System sleep state logic
systemd-sleep.conf (5) - Suspend and hibernation configuration file
systemd-suspend-then-hibernate.service (8) - System sleep state logic
systemd-suspend.service (8) - System sleep state logic
usleep (3)          - suspend execution for microsecond intervals
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ man -wa sleep
/usr/share/man/man1/sleep.1.gz
/usr/share/man/man3/sleep.3.gz
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ man -I printf
No manual entry for printf
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ man -i printf
```


echo

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ echo "Hello World"
Hello World
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ echo -n "Hello World"
Hello Worldspandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ echo -e "Hello \bWorld"
HelloWorld
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ echo -e "Hello \aWorld"
Hello World
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ echo -e "Hello \cWorld"
Hello spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ echo -e "Hello \nWorld"
Hello
World
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ echo -e "Hello \tWorld"
Hello   World
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ echo -e "Hello \rWorld"
World
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ echo -e "Hello \vWorld"
Hello
      World
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~$ echo *
Desktop Documents Downloads Music Pictures Public sample.txt snap Templates Videos
```

zip unzip

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ ls
assignment-1.doc  b.txt  c.txt  desktop  'DTL - Forty Linux Commands (2).pptx'  file2.txt  test2
a.txt            class_SY-Div1.pdf  directory-1  'DTL - Bash Scripting.pptx'  file1.txt  'linux commands_for execution.docx'
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ zip zfile1.zip test2 directory-1 directory-2 file1.txt file2.txt a.txt b.txt c.txt
adding: test2 (stored 0%)
adding: directory-1/ (stored 0%)
adding: directory-2/ (stored 0%)
adding: file1.txt (stored 0%)
adding: file2.txt (stored 0%)
adding: a.txt (deflated 94%)
adding: b.txt (deflated 54%)
adding: c.txt (deflated 41%)
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ unzip zfile1.zip
Archive:  zfile1.zip
replace test2? [y]es, [n]o, [A]ll, [N]one, [r]ename: y
extracting: test2
replace file1.txt? [y]es, [n]o, [A]ll, [N]one, [r]ename: A
extracting: file1.txt
extracting: file2.txt
inflating: a.txt
inflating: b.txt
inflating: c.txt
```

hostname

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ hostname
spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ hostname -a
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ hostname -A
spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ hostname -i
127.0.1.1
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ hostname -I
192.168.0.104
```

alias and unalias

```
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ alias k="kill"
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ k
kill: usage: kill [-s sigspec | -n signum | -sigspec] pid | jobspec ... or kill -l [sigspec]
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ unalias k
spandan@spandan-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Desktop/dtl-assignments$ k
k: command not found
```

adduser

```
spandan@spandan-HP-Notebook:~$ sudo adduser newuser
[sudo] password for spandan:
Adding user `newuser' ...
Adding new group `newuser' (1001) ...
Adding new user `newuser' (1001) with group `newuser' ...
Creating home directory `/home/newuser' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for newuser
Enter the new value, or press ENTER for the default
  Full Name []:
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []:
Is the information correct? [Y/n] y
```

```
spandan:x:1000:1000:spandan jathar,,,:/home/spandan:/bin/bash
systemd-coredump:x:999:999:systemd Core Dumper:/:/usr/sbin/nologin
newuser:x:1001:1001:,,,:/home/newuser:/bin/bash
```

```
spandan@spandan-HP-Notebook:~$ sudo usermod -aG sudo newuser
spandan@spandan-HP-Notebook:~$ id newuser
uid=1001(newuser) gid=1001(newuser) groups=1001(newuser),27(sudo)
spandan@spandan-HP-Notebook:~$ su newuser
Password:
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

newuser@spandan-HP-Notebook:/home/spandan$ sudo apt upgrade
[sudo] password for newuser:
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
The following packages were automatically installed and are no longer required:
  chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi
  libgstreamer-plugins-bad1.0-0 libva-wayland2
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
  libatomic1 libxmlb2
The following packages will be upgraded:
  apport apport-gtk bind9-dnsutils bind9-host bind9-libs
  ca-certificates dbus dbus-user-session dbus-x11 deja-dup
  distro-info-data dnsmasq-base firefox fonts-opensymbol fwupd
  ghostscript ghostscript-x gir1.2-gdkpixbuf-2.0
  gir1.2-javascriptcoregtk-4.0 gir1.2-notify-0.7
  gir1.2-webkit2-4.0 intel-microcode isc-dhcp-client
  isc-dhcp-common libasn1-8-heimdal libcurl3-gnutls libcurl4
  libdbus-1-3 libexpat1 libflac8 libfprint-2-2 libfprint-2-tod1
  libfreerdp-client2-2 libfreerdp2-2 libfwupd2 libfwupdplugin5
  libgdk-pixbuf2.0-0 libgdk-pixbuf2.0-bin libgdk-pixbuf2.0-common
  libgmp10 libgs9 libgs9-common libgssapi3-heimdal
  libhcrypto4-heimdal libheimbase1-heimdal libheimntlm0-heimdal
  libhx509-5-heimdal libjavascriptcoregtk-4.0-18 libjbig0
  libjpeg-turbo8 libjuh-java libjurt-java libkrb5-26-heimdal
  libksba8 libmysqlclient21 libnotify-bin libnotify4
  libnss-systemd libntfs-3g883 libpam-systemd libpcre2-32-0
  libpcre2-8-0 libperl5.30 libpixman-1-0 libpoppler-cpp0v5
  libpoppler-glib8 libpoppler97 libpython3.8 libpython3.8-minimal
  libpython3.8-stdlib libraw19 libreoffice-base-core
  libreoffice-calc libreoffice-common libreoffice-core
  libreoffice-draw libreoffice-gnome libreoffice-gtk3
```

```
newuser@spandan-HP-Notebook:/home/spandan$ sudo visudo /etc/sudoers
visudo: /etc/sudoers.tmp unchanged
newuser@spandan-HP-Notebook:/home/spandan$ sudo visudo /etc/sudoers.d/newuser
visudo: /etc/sudoers.d/newuser.tmp unchanged
newuser@spandan-HP-Notebook:/home/spandan$ sudo apt update
Get:1 https://dl.google.com/linux/chrome/deb stable InRelease [1,811 B]
Get:2 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:3 https://dl.google.com/linux/chrome/deb stable/main amd64 Packages [1,094 B]
Hit:4 http://in.archive.ubuntu.com/ubuntu focal InRelease
Get:5 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:6 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1,928 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [2,303 kB]
Get:9 http://security.ubuntu.com/ubuntu focal-security/main i386 Packages [536 kB]
Get:10 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [316 kB]
Get:11 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [60.0 kB]
Get:12 http://security.ubuntu.com/ubuntu focal-security/main DEP-11 48x48 Icons [18.9 kB]
Get:13 http://in.archive.ubuntu.com/ubuntu focal-updates/main i386 Packages [768 kB]
Get:14 http://security.ubuntu.com/ubuntu focal-security/main DEP-11 64x64 Icons [36.0 kB]
Get:15 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [11.6 kB]
Get:16 http://security.ubuntu.com/ubuntu focal-security/restricted i386 Packages [29.1 kB]
Get:17 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [1,419 kB]
Get:18 http://in.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [399 kB]
Get:19 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [200 kB]
Get:20 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 c-n-f Metadata [616 B]
Get:21 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [780 kB]
Get:22 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metadata [275 kB]
Get:23 http://security.ubuntu.com/ubuntu focal-security/universe i386 Packages [574 kB]
Get:24 http://in.archive.ubuntu.com/ubuntu focal-updates/main DEP-11 48x48 Icons [60.8 kB]
Get:25 http://in.archive.ubuntu.com/ubuntu focal-updates/main DEP-11 64x64 Icons [98.3 kB]
Get:26 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [151 kB]
Get:27 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [16.2 kB]
Get:28 http://in.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [1,513 kB]
Get:29 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [94.2 kB]
Get:30 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [16.9 kB]
Get:31 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [940 B]
Get:32 http://in.archive.ubuntu.com/ubuntu focal-updates/restricted i386 Packages [30.4 kB]
```

```

newuser@spandan-HP-Notebook:/home/spandan$ su newuser
Password:
newuser@spandan-HP-Notebook:/home/spandan$ sudo apt update
Hit:1 https://dl.google.com/linux/chrome/deb stable InRelease
Hit:2 http://security.ubuntu.com/ubuntu focal-security InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu focal InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:5 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
163 packages can be upgraded. Run 'apt list --upgradable' to see them.
newuser@spandan-HP-Notebook:/home/spandan$ exit
exit
newuser@spandan-HP-Notebook:/home/spandan$ sudo visudo /etc/sudoers.d/newuser
visudo: /etc/sudoers.d/newuser.tmp unchanged
newuser@spandan-HP-Notebook:/home/spandan$ sudo visudo /etc/sudoers.d/newuser
visudo: /etc/sudoers.d/newuser.tmp unchanged
newuser@spandan-HP-Notebook:/home/spandan$ su newuser
Password:
newuser@spandan-HP-Notebook:/home/spandan$ sudo apt update
Sorry, user newuser is not allowed to execute '/usr/bin/apt update' as root on spandan-HP-Notebook.
newuser@spandan-HP-Notebook:/home/spandan$ sudo apt upgrade
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
The following packages were automatically installed and are no longer required:
  chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi
  libgstreamer-plugins-bad1.0-0 libva-wayland2
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
  libatomic1 libxmlb2 linux-headers-5.15.0-57-generic
  linux-hwe-5.15-headers-5.15.0-57 linux-image-5.15.0-57-generic
  linux-modules-5.15.0-57-generic
  linux-modules-extra-5.15.0-57-generic

```

grep

```

spandan@spandan-HP-Notebook:~/Desktop/dtl-assignments$ grep a a.txt
This is a Statement.
This is written using cat command.
Cat command can be used to write and concatenate different files
spandan@spandan-HP-Notebook:~/Desktop/dtl-assignments$ ls -l *.txt | grep Jan
-rw-rw-r-- 1 spandan spandan 122 Jan 10 21:53 a.txt
-rw-rw-r-- 1 spandan spandan  0 Jan  4 11:28 b.txt
-rw-rw-r-- 1 spandan spandan  0 Jan  4 11:28 c.txt

```