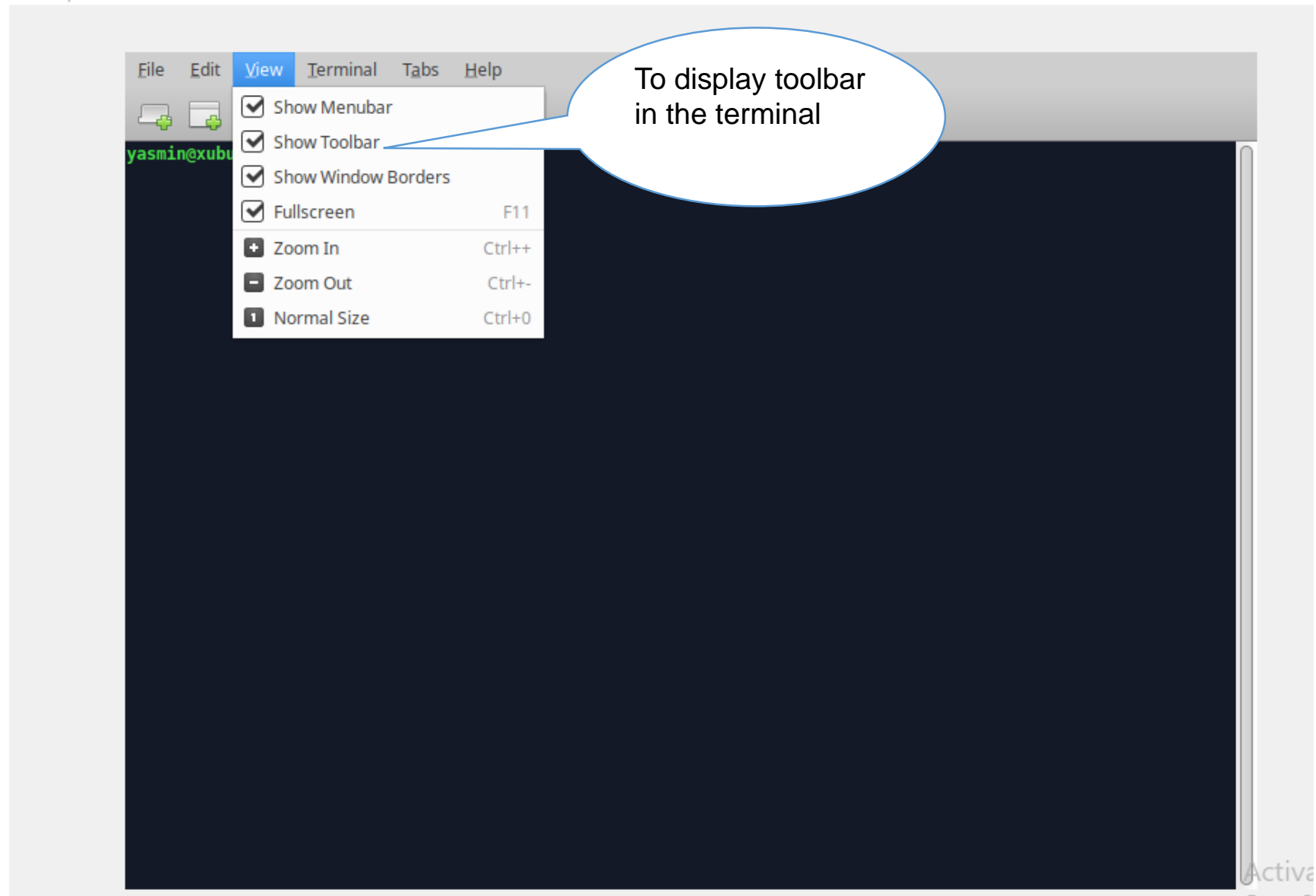
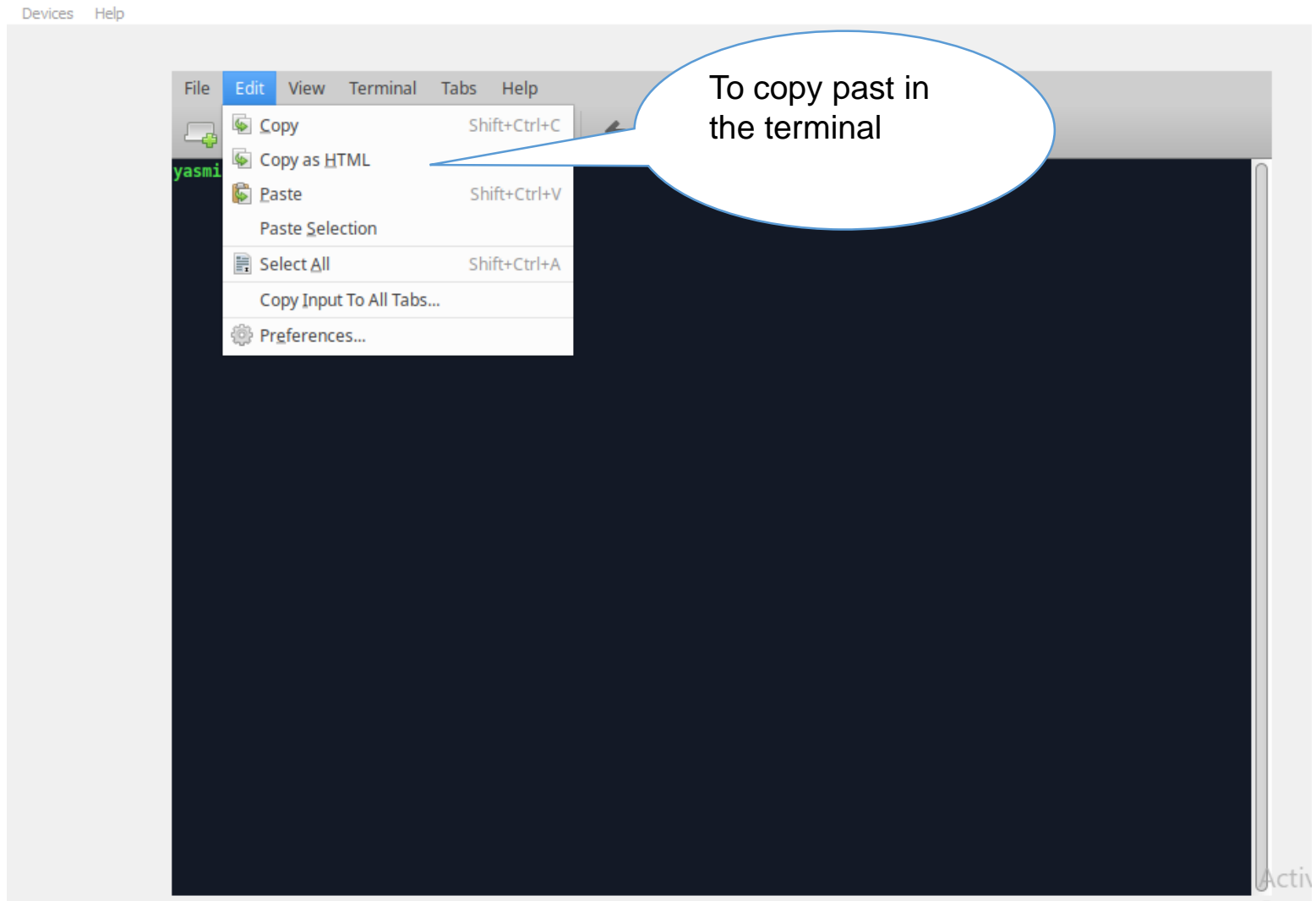


Open sources SW lab lecture 3

Third year CS

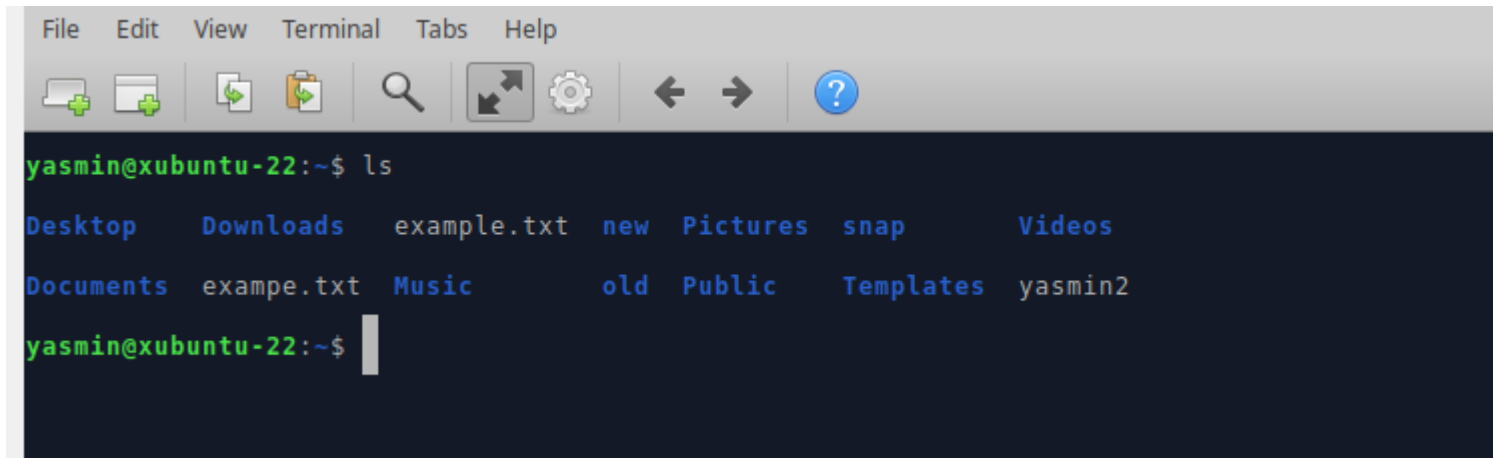
Prepared by assistant professor Yasmin Makki Mohialden





1. ls command

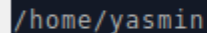
- **ls** is commonly used to identify files and directories in the working directory.
- It's one of the many frequently-used Linux commands to know.
- See the below image for an example of the output.

A screenshot of a terminal window with a dark background. The window has a menu bar with 'File', 'Edit', 'View', 'Terminal', 'Tabs', and 'Help'. Below the menu bar is a toolbar with icons for file operations (copy, paste, delete), search, window management (maximize, close), settings (gear), and navigation (back, forward, help). The terminal text shows the user 'yasmin' at host 'xubuntu-22' in the home directory '~'. The command 'ls' has been executed, resulting in two lines of output: 'Desktop Downloads example.txt new Pictures snap Videos' and 'Documents exampe.txt Music old Public Templates yasmin2'. The prompt 'yasmin@xubuntu-22:~\$' is followed by a cursor.

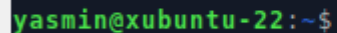
```
yasmin@xubuntu-22:~$ ls
Desktop  Downloads  example.txt  new  Pictures  snap  Videos
Documents exampe.txt  Music       old  Public   Templates yasmin2
yasmin@xubuntu-22:~$
```

2. pwd command

- **pwd prints the current working directory on the terminal.**
- **It's one of the most commonly used commands.**
- **It's useful for quickly checking which directory you're in,**
- **especially if your prompt doesn't display the entire directory.**
- **See the below pictures for an example of the output.**

A terminal window with a dark background. The text "/home/yasmin" is displayed in a light green font, representing the output of the pwd command.

```
/home/yasmin
```

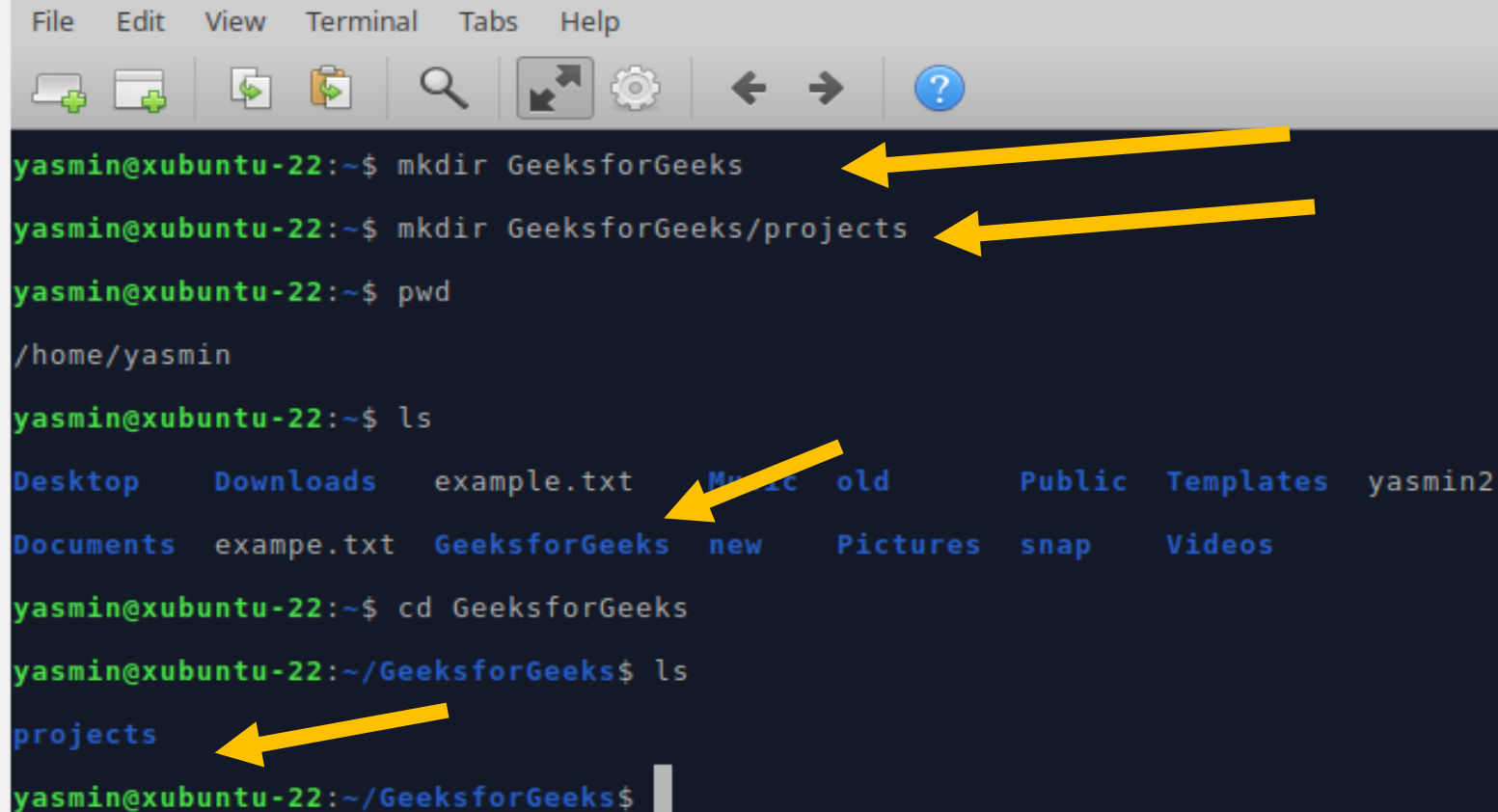
A terminal window with a dark background. The prompt "yasmin@xubuntu-22:~\$" is displayed in a light green font, with a white cursor bar at the end, indicating the terminal is ready for the next command.

```
yasmin@xubuntu-22:~$
```

3. **mkdir** command

- **mkdir** creates directories in the terminal.
- The syntax is **mkdir <directory name>** to create a new directory.
- Example: **mkdir GeeksforGeeks** creates a directory named "GeeksforGeeks."
- To create a directory inside an existing directory, use a forward slash: **mkdir GeeksforGeeks/projects**.

mkdir command



A terminal window with a menu bar (File, Edit, View, Terminal, Tabs, Help) and a toolbar. The terminal shows the following commands and output:

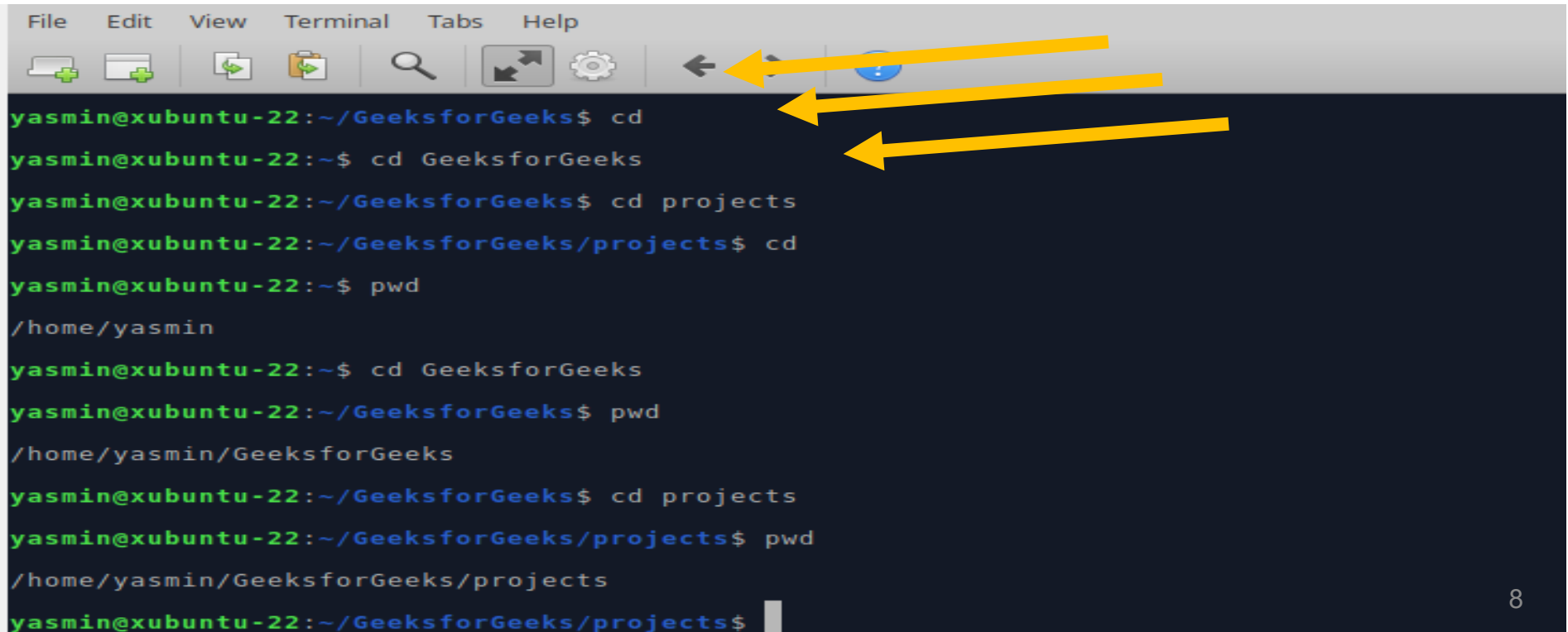
```
yasmin@xubuntu-22:~$ mkdir GeeksforGeeks
yasmin@xubuntu-22:~$ mkdir GeeksforGeeks/projects
yasmin@xubuntu-22:~$ pwd
/home/yasmin
yasmin@xubuntu-22:~$ ls
Desktop  Downloads  example.txt  Music  old  Public  Templates  yasmin2
Documents  example.txt  GeeksforGeeks  new  Pictures  snap  Videos
yasmin@xubuntu-22:~$ cd GeeksforGeeks
yasmin@xubuntu-22:~/GeeksforGeeks$ ls
projects
yasmin@xubuntu-22:~/GeeksforGeeks$
```

Four yellow arrows point to the following parts of the terminal output:

- The first `mkdir` command: `mkdir GeeksforGeeks`
- The second `mkdir` command: `mkdir GeeksforGeeks/projects`
- The `GeeksforGeeks` directory in the `ls` output.
- The `projects` directory in the second `ls` output.

4. cd command

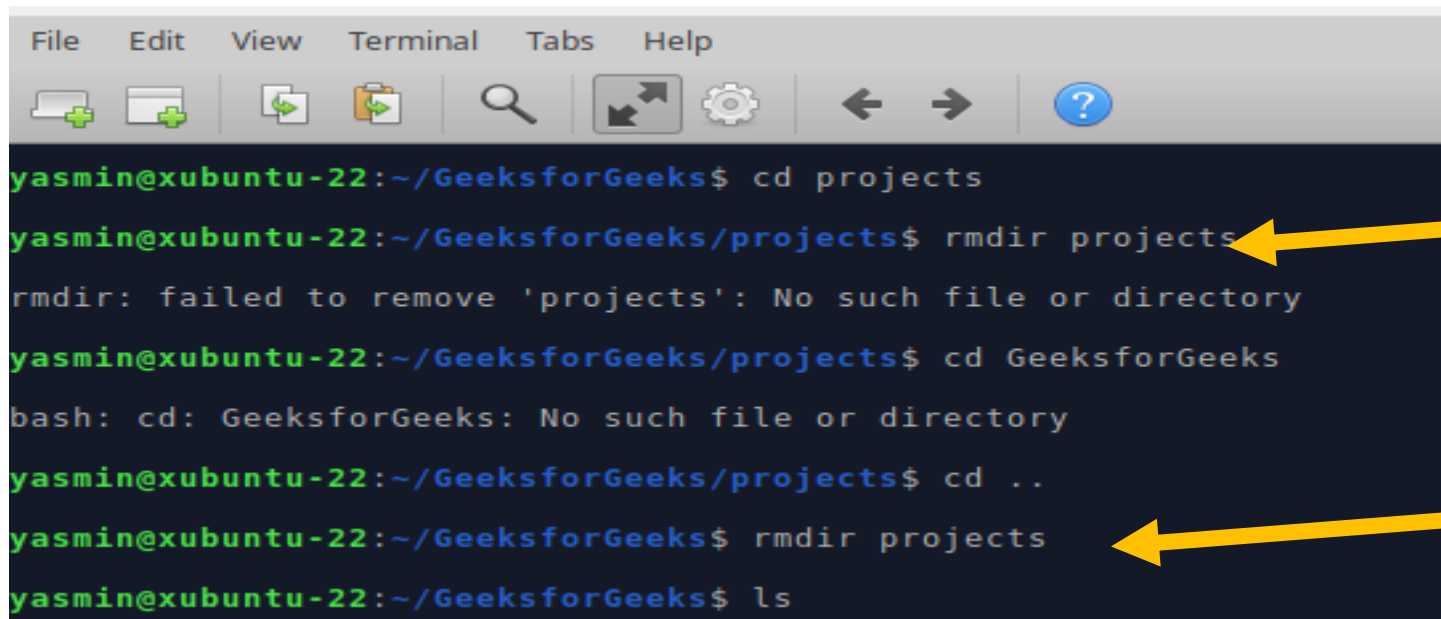
- cd navigates between directories.
- It requires the full path or directory name depending on your current working directory.
- Running cd without options takes you to your home folder.
- Only users with sudo privileges can execute cd.



```
File Edit View Terminal Tabs Help
yasmin@xubuntu-22:~/GeeksforGeeks$ cd
yasmin@xubuntu-22:~$ cd GeeksforGeeks
yasmin@xubuntu-22:~/GeeksforGeeks$ cd projects
yasmin@xubuntu-22:~/GeeksforGeeks/projects$ cd
yasmin@xubuntu-22:~$ pwd
/home/yasmin
yasmin@xubuntu-22:~$ cd GeeksforGeeks
yasmin@xubuntu-22:~/GeeksforGeeks$ pwd
/home/yasmin/GeeksforGeeks
yasmin@xubuntu-22:~/GeeksforGeeks$ cd projects
yasmin@xubuntu-22:~/GeeksforGeeks/projects$ pwd
/home/yasmin/GeeksforGeeks/projects
yasmin@xubuntu-22:~/GeeksforGeeks/projects$
```


5. rmdir command

- rmdir command requires sudo privileges in the parent directory to permanently delete an **empty directory**.



```
File Edit View Terminal Tabs Help
yasmin@xubuntu-22:~/GeeksforGeeks$ cd projects
yasmin@xubuntu-22:~/GeeksforGeeks/projects$ rmdir projects
rmdir: failed to remove 'projects': No such file or directory
yasmin@xubuntu-22:~/GeeksforGeeks/projects$ cd GeeksforGeeks
bash: cd: GeeksforGeeks: No such file or directory
yasmin@xubuntu-22:~/GeeksforGeeks/projects$ cd ..
yasmin@xubuntu-22:~/GeeksforGeeks$ rmdir projects
yasmin@xubuntu-22:~/GeeksforGeeks$ ls
```

The screenshot shows a terminal window with a menu bar (File, Edit, View, Terminal, Tabs, Help) and a toolbar with icons for file operations. The terminal output shows a user named yasmin at xubuntu-22. The user navigates to the ~/GeeksforGeeks/projects directory and attempts to run the rmdir command. The command fails with the error "rmdir: failed to remove 'projects': No such file or directory". The user then navigates to the parent directory (~/GeeksforGeeks) and attempts to run the rmdir command again, which succeeds. Finally, the user runs the ls command to list the contents of the current directory.

6. **cp** command

The [cp command](#) of Linux is equivalent to copy-paste and cut-paste in Windows.

Command:

```
1 ls
2 cp first.txt second.txt
3 ls
```

Output:

```
first.txt  main.sh
first.txt  main.sh second.txt
```

Here we used **ls** to view the files and then used **cp** to copy the files of *first.txt* to *second.txt* and again used **ls** command to view the updated files.

7. mv command

The [mv command](#) is generally used for renaming the files in Linux.

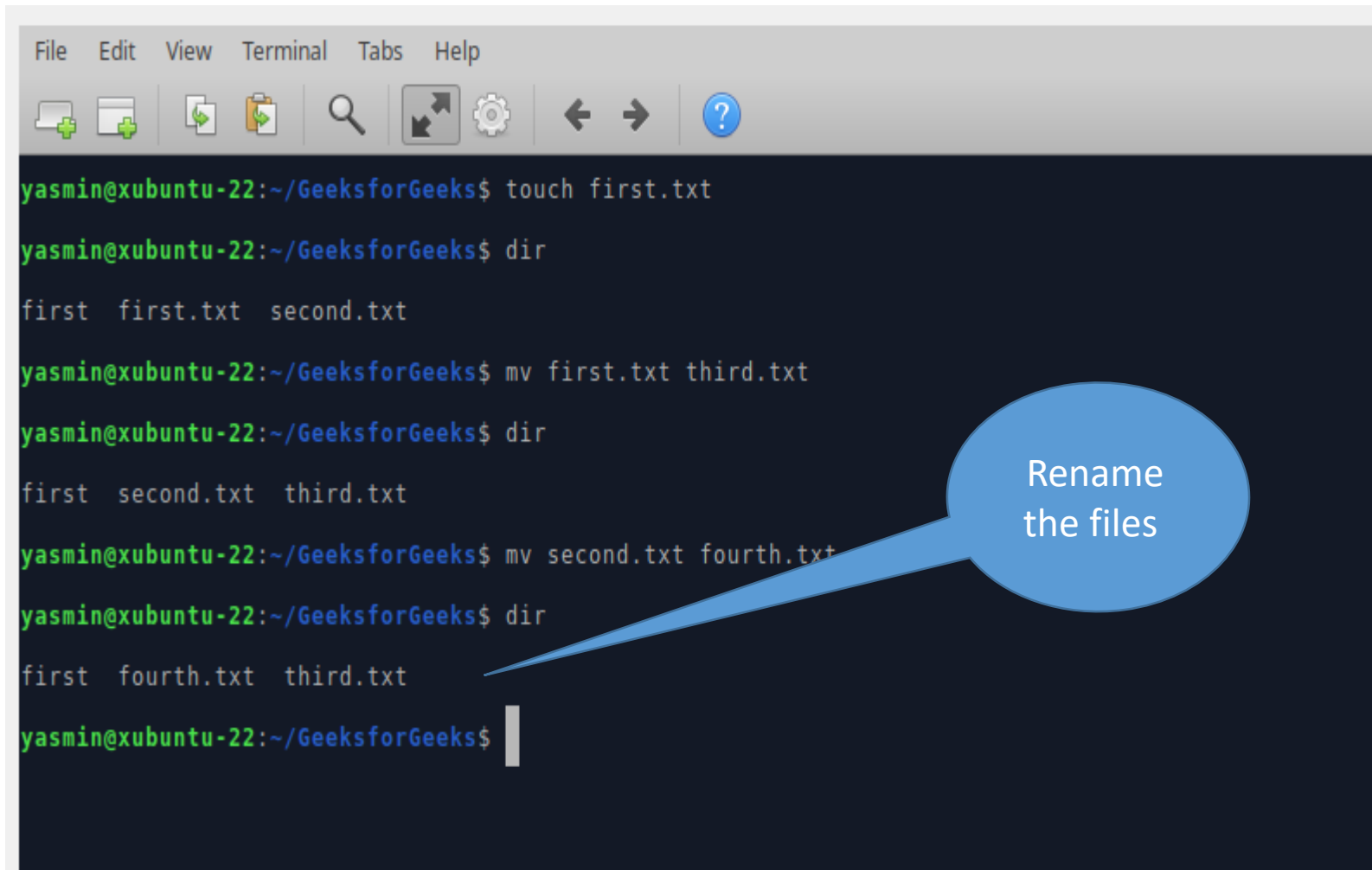
Command:

```
1 ls
2 mv first.txt renamed.txt
3 ls
```

Output:

```
first.txt  main.sh
main.sh    renamed.txt
```

Here we used the **ls** command to check the directories and then used **mv <file name> <Renamed file name>** to rename the files, and then again we used the **ls** command to view the renamed file as you can see in the output screenshot.

A terminal window with a menu bar (File, Edit, View, Terminal, Tabs, Help) and a toolbar with icons for file operations. The terminal shows a series of commands to create, list, and rename files. A blue speech bubble points to the output of the 'mv' command, stating 'Rename the files'.

```
File Edit View Terminal Tabs Help
[Icons]

yasmin@xubuntu-22:~/GeeksforGeeks$ touch first.txt
yasmin@xubuntu-22:~/GeeksforGeeks$ dir
first  first.txt  second.txt
yasmin@xubuntu-22:~/GeeksforGeeks$ mv first.txt third.txt
yasmin@xubuntu-22:~/GeeksforGeeks$ dir
first  second.txt  third.txt
yasmin@xubuntu-22:~/GeeksforGeeks$ mv second.txt fourth.txt
yasmin@xubuntu-22:~/GeeksforGeeks$ dir
first  fourth.txt  third.txt
yasmin@xubuntu-22:~/GeeksforGeeks$
```

Rename
the files

8. rm command

rm command in Linux is generally used to delete the files created in the directory.

Command:

```
1 ls
2 rm renamed.txt
3 ls
```

Output:

```
main.sh  renamed.txt
main.sh
```

You can see as we wrote the **ls** command to view the files in the terminal and then **rm <file name>** to delete the files and again we had the **ls** command to check the update.

```
yasmin@xubuntu-22:~/GeeksforGeeks$ dir
first  fourth.txt  third.txt
yasmin@xubuntu-22:~/GeeksforGeeks$ rm first
yasmin@xubuntu-22:~/GeeksforGeeks$ dir
fourth.txt  third.txt
```

9. uname command

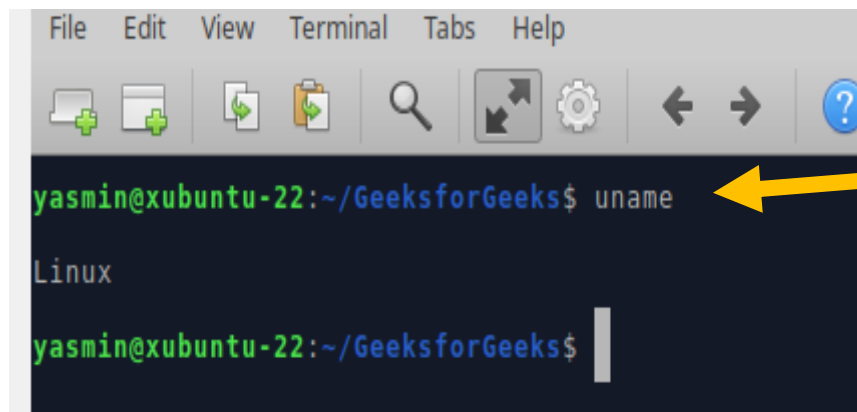
The [uname command](#) is used to check the complete OS information of the system. Check out the command and the output below

Command:

```
1  uname
```

Output:

```
SMP Sun Dec 04 08:06:28 UTC 2022 x86_64 x86_64 x86_64 GNU/Linux
```



A screenshot of a terminal window with a menu bar (File, Edit, View, Terminal, Tabs, Help) and a toolbar with icons for file operations, search, and navigation. The terminal shows the command 'uname' being executed by a user named 'yasmin' on a system named 'xubuntu-22'. The output 'Linux' is displayed on the next line. A yellow arrow points from the right side of the image to the 'uname' command in the terminal.

```
File Edit View Terminal Tabs Help
yasmin@xubuntu-22:~/GeeksforGeeks$ uname
Linux
yasmin@xubuntu-22:~/GeeksforGeeks$
```

10. locate command

The [locate command](#) is generally used to locate the files in the database. Use an asterisk (*) to search for content that contains two or more words. As an example: **locate first*file**. This command will search the database for the files that contain these two names **first** and **file**.

Command:

```
1 rm first.txt
2 locate first.txt|
```


Output:

```
locate -e first.txt
```

We first used the **rm** command to delete the file and then used **locate** command to find the file in the database which in return has given the output with a **-e** as the file was removed.

- ❑ The text explains how to use the **locate** command to search for files in the database. The command is generally used to find files by name, and an asterisk (*) can be used to search for content that contains two or more words.
- ❑ For example, if you use the command **locate first*file** eht ni selif rof hcraes lliw ti ,
."elif" dna "tsrif" :seman owt eseht niatnoc taht esabatad
- ❑ So, if there are files named **"firstfile"**, **"first_file"**, **"first big file"**, or **"my first file.txt"** in the database, the **locate** command will return the paths of all these files that match the search criteria. The asterisk acts as a wildcard character and can represent any number of characters or words in the file name.


```
yasmin@xubuntu-22:~/GeeksforGeeks$ rm first.txt
yasmin@xubuntu-22:~/GeeksforGeeks$ locate first.txt
yasmin@xubuntu-22:~/GeeksforGeeks$ locate first
```



```
/home/yasmin/snap/firefox/common/.mozilla/firefox/6kb2l23b.default/datareporting/archived/20
/1677968197216.5e5e305c-1d0d-4359-b7a8-bb3125ccdf79.first-shutdown.jsonlz4
/snap/gtk-common-themes/1535/share/icons/Adwaita/scalable/actions/go-first-symbolic-rtl.svg
/snap/gtk-common-themes/1535/share/icons/Adwaita/scalable/actions/go-first-symbolic.svg
/snap/gtk-common-themes/1535/share/icons/Ambiant-MATE/actions/16/go-first.svg
/snap/gtk-common-themes/1535/share/icons/Ambiant-MATE/actions/22/go-first.svg
/snap/gtk-common-themes/1535/share/icons/Ambiant-MATE/actions/24/go-first.svg
/snap/gtk-common-themes/1535/share/icons/Ambiant-MATE/actions/48/go-first.svg
/snap/gtk-common-themes/1535/share/icons/HighContrast/16x16/actions/go-first-rtl.png
/snap/gtk-common-themes/1535/share/icons/HighContrast/16x16/actions/go-first.png
/snap/gtk-common-themes/1535/share/icons/HighContrast/22x22/actions/go-first-rtl.png
/snap/gtk-common-themes/1535/share/icons/HighContrast/22x22/actions/go-first.png
/snap/gtk-common-themes/1535/share/icons/HighContrast/24x24/actions/go-first-rtl.png
/snap/gtk-common-themes/1535/share/icons/HighContrast/24x24/actions/go-first.png
/snap/gtk-common-themes/1535/share/icons/HighContrast/256x256/actions/go-first-rtl.png
```

11. touch command

The [touch command](#) creates an empty file when put in the terminal in this format as
touch <file name>

Command:

```
1 ls
2 touch GeeksforGeeks.txt
3 ls
```

Output:

```
main.sh
GeeksforGeeks.txt  main.sh
```

We used the **ls** command to check the current directories in the terminal and then used the **touch** command to create an empty file and then again we used **ls** to find out the created file in the terminal.

12. ln command

12. ln command

The [ln command](#) is used to create a shortcut link to another file. This is among the most important Linux commands to know if you want to operate as a Linux administrator.

Command:

```
1 mkdir Demo
2 mkdir Linked
3 ln -s Demo Linked
```

Output:

```
Linked/Demo
```

Here we used mkdir to create two directories and then we used **ln** with an **-s** to create a soft link in it.

To create a hard link between two files, use the following syntax:

```
ln file1 file2
```

This will create a hard link named `file2` that points to `file1`. Any changes made to one file will be reflected in the other.

2. To create a symbolic link (also known as a soft link) between two files, use the `-s` option followed by the source file and target link name:

```
ln -s source_file target_link
```

This will create a symbolic link named `target_link` that points to `source_file`.

```
File Edit View Terminal Tabs Help
[Icons: New File, New Window, Copy, Paste, Find, Run, Settings, Previous, Next, Help]

yasmin@xubuntu-22:~/GeeksforGeeks$ dir
3dcs  first  fourth.txt  opensource  second.txt  third.txt
yasmin@xubuntu-22:~/GeeksforGeeks$ ln fourth.txt second.txt
ln: failed to create hard link 'second.txt': File exists
yasmin@xubuntu-22:~/GeeksforGeeks$ ln fourth.txt fifth.txt
yasmin@xubuntu-22:~/GeeksforGeeks$ dir
3dcs  fifth.txt  first  fourth.txt  opensource  second.txt  third.txt
yasmin@xubuntu-22:~/GeeksforGeeks$
```

13. cat command

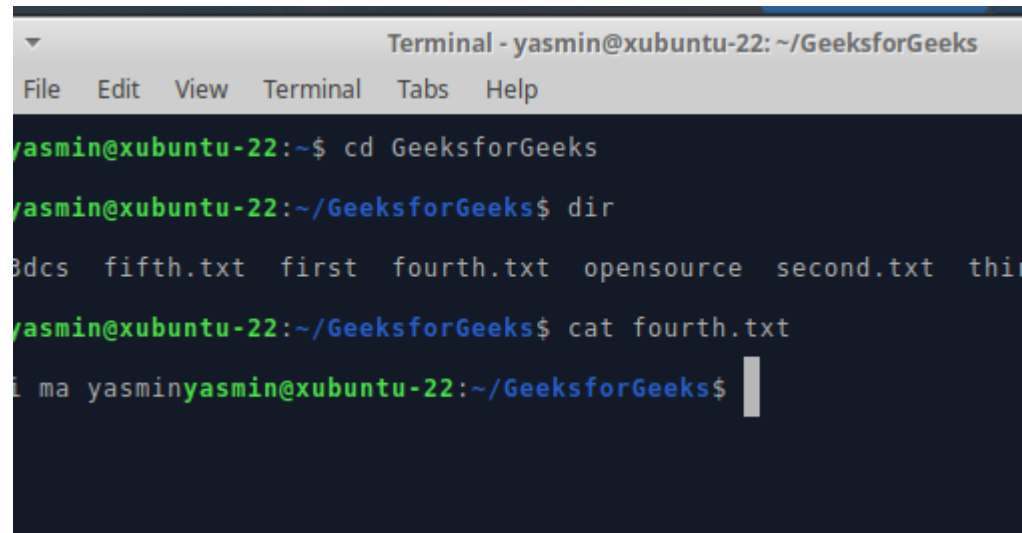
The [cat command](#) is the simplest command to use when you want to see the contents of a particular file. The only issue is that it simply unloads the entire file to your terminal. If you want to navigate around a huge file, should use **less** command alternatively.

Command:

```
1 cat files.txt
```

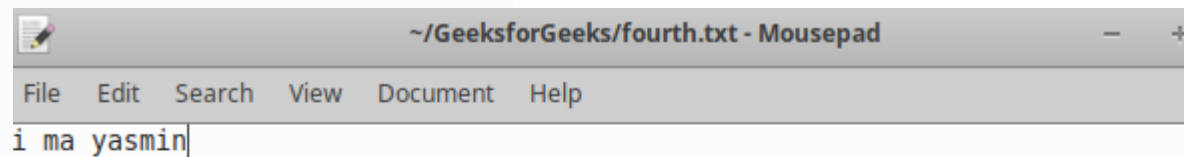
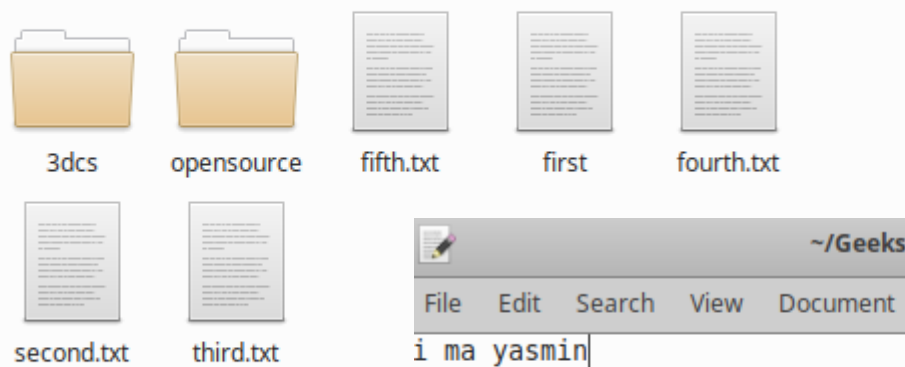
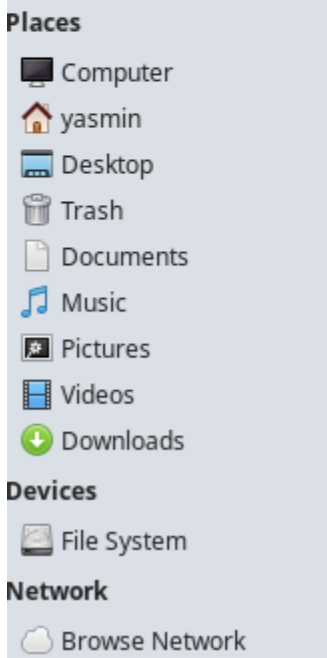
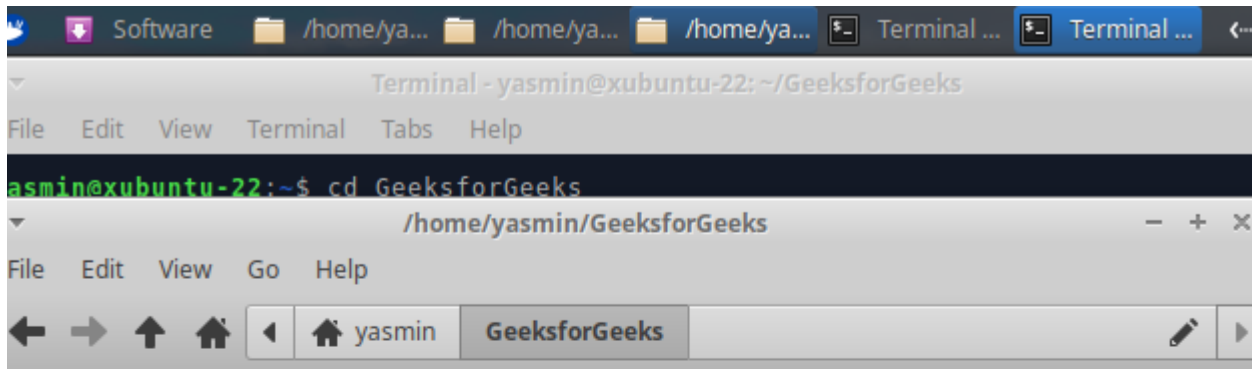
Output:

```
this is a File
```



```
Terminal - yasmin@xubuntu-22: ~/GeeksforGeeks
File Edit View Terminal Tabs Help

yasmin@xubuntu-22:~$ cd GeeksforGeeks
yasmin@xubuntu-22:~/GeeksforGeeks$ dir
bdcs  fifth.txt  first  fourth.txt  opensource  second.txt  thi
yasmin@xubuntu-22:~/GeeksforGeeks$ cat fourth.txt
i ma yasminy
yasmin@xubuntu-22:~/GeeksforGeeks$
```



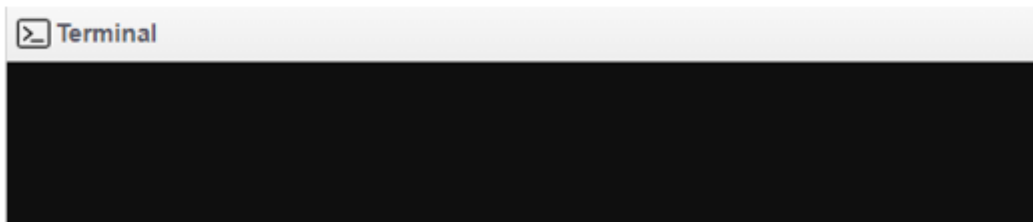
14. clear command

The [clear command](#) is a standard command to clear the terminal screen.

Command: *This was the terminal before the command.

```
1 $ ls
2 Demo
3 files.txt Linked main.sh NewFile Second
4 $ pwd
5 /home/cg/root/638c34db4d98e
6 $ cp Linked Non-Linked
7 cp: -r not specified; omitting directory 'Linked'
8 $ clear
```

Output:



15. ps command

[ps command](#) in Linux is used to check the active processes in the terminal.

Command:

```
1 ps
```

Output:

```
PID TTY          TIME CMD
8454 pts/521    00:00:00 bash
11982 pts/521    00:00:00 bash
11983 pts/521    00:00:00 ps
```

```
File Edit View Terminal Tabs Help
yasmin@xubuntu-22:~$ ps
  PID TTY          TIME CMD
 22642 pts/1    00:00:00 bash
 22687 pts/1    00:00:00 ps
yasmin@xubuntu-22:~$
```

The ``ps`` command can be useful for several reasons, including:

1. Monitoring system performance: By using the ``ps`` command, users can monitor the performance of the system and identify processes that are using a lot of resources like memory or CPU.
2. Troubleshooting: The ``ps`` command can help identify processes that are causing issues on the system. If a user is experiencing problems with their system, they can use the ``ps`` command to identify processes that may be causing the issue.

In summary, the ``ps`` command is a powerful tool that allows users to monitor, troubleshoot, and manage processes on their Xubuntu system.

16. man command

The [man command](#) displays a user manual for any commands or utilities available in the Terminal, including their name, description, and options.

Command to view the full manual:

```
man <command name>
```

For example, suppose you want to look up the manual for the ls command: **man ls**
Command:

```
1 man -f ls
```

Output:

```
ls (1) - list directory contents
```

```
yasmin@xubuntu-22:~$ man -f dir
```

```
dir (1) - list directory contents
```

```
yasmin@xubuntu-22:~$ man -f clear
```

```
clear (1) - clear the terminal screen
```



Display
information
about the
command

```
Software /home/yasmin... /home
Terminal - yasmin@xubuntu-22: ~
File Edit View Terminal Tabs Help
yasmin@xubuntu-22:~$ man dir
```

```
Terminal - yasmin@xubuntu-22: ~
File Edit View Terminal Tabs Help
DIR(1) User Commands DIR(1)

NAME
    dir - list directory contents

SYNOPSIS
    dir [OPTION]... [FILE]...

DESCRIPTION
    List information about the FILES (the current directory by default). Sort en-
    tries alphabetically if none of -cftuvSUX nor --sort is specified.

    Mandatory arguments to long options are mandatory for short options too.

-a, --all
    do not ignore entries starting with .
```

```
yasmin@xubuntu-22:~$ man clear
```

```
File Edit View Terminal Tabs Help
clear(1)                                General Commands Manual                                clear(1)

NAME
    clear - clear the terminal screen

SYNOPSIS
    clear [-Ttype] [-V] [-x]

DESCRIPTION
    clear clears your screen if this is possible, including its scrollback buffer
    (if the extended "E3" capability is defined). clear looks in the environment
    for the terminal type given by the environment variable TERM, and then in the
    terminfo database to determine how to clear the screen.

    clear writes to the standard output. You can redirect the standard output to
    a file (which prevents clear from actually clearing the screen), and later cat
```

17. grep command

The [grep command](#) is used to find a specific string in a series of outputs. For example, if you want to find a string in a file, you can use the syntax: **<Any command with output> | grep "<string to find>"**

For Example:

```
cat Files.txt | grep "new"
```

Command:

```
1 cat file.txt
2 cat file.txt | grep "GeeksforGeeks"
```

Output:

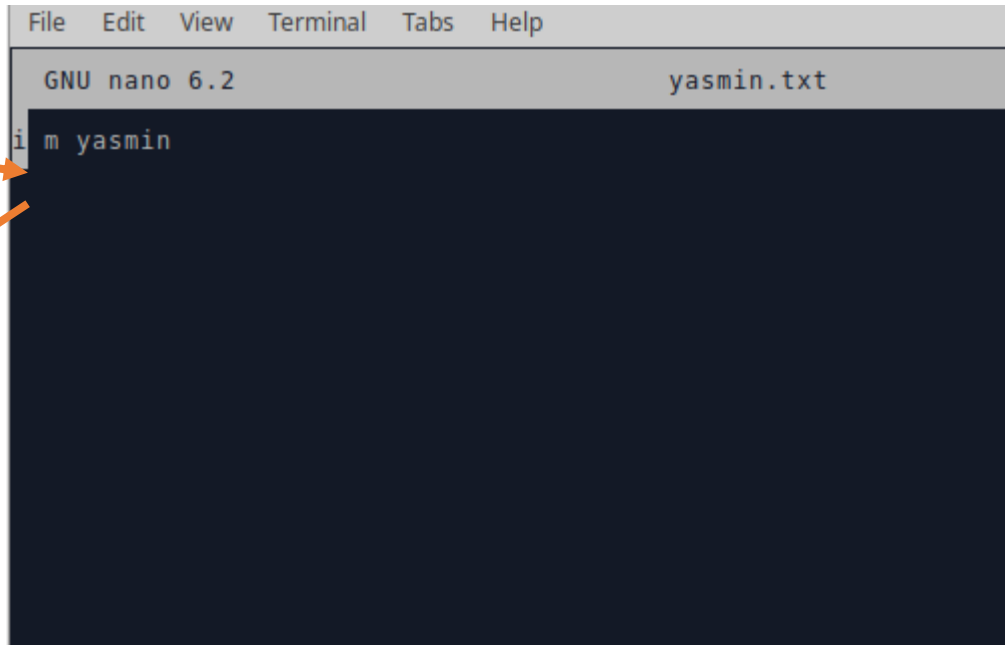
```
Hello World
Welcome to GeeksforGeeks
Welcome to GeeksforGeeks
```

In this command, we first used **cat <file name>** to view the content of the file, and then we used **cat <file name> | grep "string"** to check the string in it.

```
yasmin@xubuntu-22:~$ touch yasmin.txt
```

```
yasmin@xubuntu-22:~$
```

```
yasmin@xubuntu-22:~$ nano yasmin.txt
```



The screenshot shows the GNU nano 6.2 text editor interface. The title bar indicates the file being edited is 'yasmin.txt'. The editor content shows a single line of text: 'i m yasmin'.

```
yasmin@xubuntu-22:~$ cat yasmin.txt
```

```
i m yasmin yasmin@xubuntu-22:~$
```

```
yasmin@xubuntu-22:~$ cat yasmin.txt | grep "yasmin"
```

```
i m yasmin
```

```
yasmin@xubuntu-22:~$
```

18. echo command

echo command in Linux is specially used to print something in the terminal

Command:

```
1 echo "Hello World"
```

Output:

```
Hello World
```

```
yasmin@xubuntu-22:~$ echo "hello 3rd CS"
hello 3rd CS
yasmin@xubuntu-22:~$
```

```
yasmin@xubuntu-22:~$ man -f echo
echo (1)          - display a line of text
```


19. wget command

The wget command in the Linux command line allows you to download files from the internet. It runs in the background and does not interfere with other processes.

Here is the basic syntax: wget [option] [url]

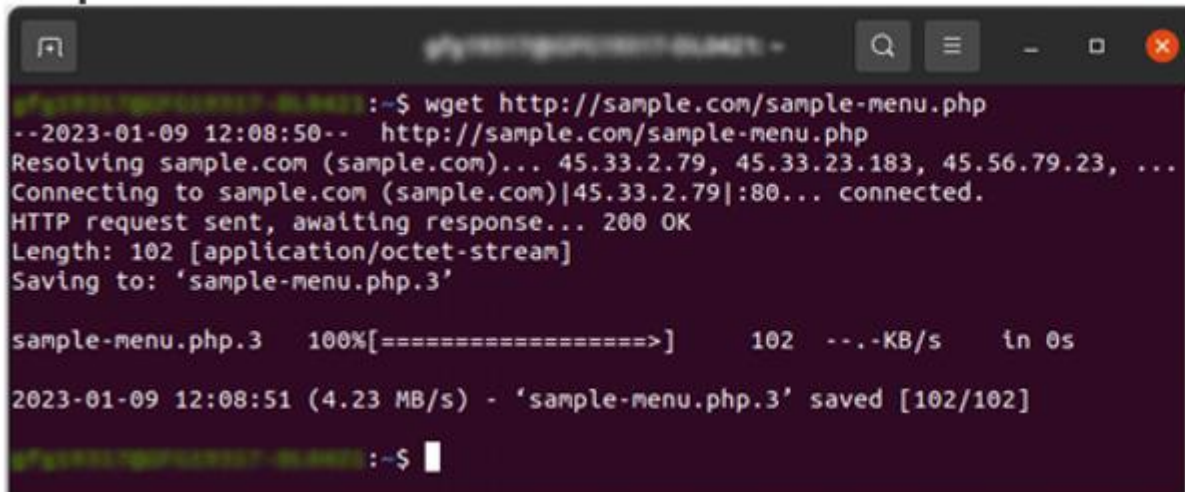
Command:

wget http://sample.com/sample-menu.php



```
gpg4win@kali:~$ wget http://sample.com/sample-menu.php
```

Output:



```
gpg4win@kali:~$ wget http://sample.com/sample-menu.php
--2023-01-09 12:08:50--  http://sample.com/sample-menu.php
Resolving sample.com (sample.com)... 45.33.2.79, 45.33.23.183, 45.56.79.23, ...
Connecting to sample.com (sample.com)|45.33.2.79|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 102 [application/octet-stream]
Saving to: 'sample-menu.php.3'

sample-menu.php.3  100%[=====]          102  --.-KB/s   in 0s

2023-01-09 12:08:51 (4.23 MB/s) - 'sample-menu.php.3' saved [102/102]

gpg4win@kali:~$
```

20. whoami command

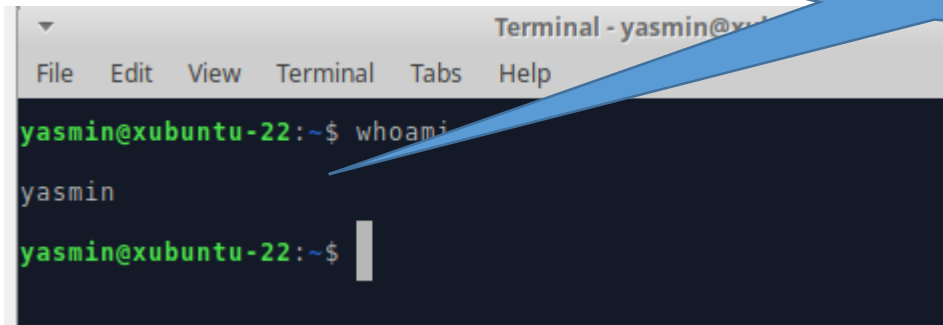
The [whoami command](#) provides basic information that is extremely useful when working on multiple systems. In general, if you are working with a single computer, you will not require it as frequently as a network administrator.

Command:

```
1 whoami
```

Output:

```
acer
```

A screenshot of a Linux terminal window titled "Terminal - yasmin@xubuntu-22". The terminal shows the command "whoami" being executed, with the output "yasmin" displayed on the next line. A blue callout bubble points from the text "Name of linux system" to the output "yasmin".

```
Terminal - yasmin@xubuntu-22
File Edit View Terminal Tabs Help
yasmin@xubuntu-22:~$ whoami
yasmin
yasmin@xubuntu-22:~$
```

Name of linux system

21. sort command

The **sort** command is used generally to sort the output of the file. Let's use the command and see the output.

Command: (We are using the cat command to see the file content)

```
1 cat multiple.txt
```

Output: (The content of multiple.txt file in the terminal)

```
Hello World
GeeksforGeeks
Thank you
```

Now we will sort the outcome using the **sort** command

Command:

```
1 sort multiple.txt
```

Output:

```
GeeksforGeeks
Hello World
Thank you
```

Here first we checked the file content using the **cat** command and then we sorted it alphabetically using the **sort** command.

```
yasmin@xubuntu-22:~$ cat yasmin.txt
```

```
i m yasmin
```

```
im an opensource lab lecturer
```

```
for students in 3d year cs
```

```
computer science departmentyasmin@xubuntu-22:~$
```

```
computer science departmentyasmin@xubuntu-22:~$ sort yasmin.txt
```

```
computer science department
```

```
for students in 3d year cs
```

```
im an opensource lab lecturer
```

```
i m yasmin
```

```
yasmin@xubuntu-22:~$
```

22. where is command

where is command in Linux is generally used to see the exact location of any command typed after this. Let's see how this performs.

Command:

```
1 whereis printf
```

Output:

```
printf: /usr/bin/printf /usr/include/printf.h
```

```
yasmin@xubuntu-22:~$ whereis yasmin
yasmin:
yasmin@xubuntu-22:~$ whereis printf
printf: /usr/bin/printf /usr/share/man/man1/printf.1.gz /usr/share/man/man3/prin
yasmin@xubuntu-22:~$
```

23. df is command

df command in Linux gets the details of the file system.

Command:

```
1 df -h
```

Output:

Filesystem	Size	Used	Avail	Use%	Mounted on
overlay	875G	120G	711G	15%	/
tmpfs	63G	0	63G	0%	/dev
tmpfs	63G	0	63G	0%	/sys/fs/cgroup
/dev/nvme0n1p3	875G	120G	711G	15%	/dev/init
shm	64M	0	64M	0%	/dev/shm
tmpfs	63G	0	63G	0%	/proc/acpi
tmpfs	63G	0	63G	0%	/proc/scsi
tmpfs	63G	0	63G	0%	/sys/firmware

```
File Edit View Terminal Tabs Help
yasmin@xubuntu-22:~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
tmpfs           275M  1.3M  274M   1% /run
/dev/sda3       24G   14G   9.4G  59% /
tmpfs           1.4G     0   1.4G   0% /dev/shm
tmpfs           5.0M  4.0K  5.0M   1% /run/lock
/dev/sda2       512M   6.1M  506M   2% /boot/efi
tmpfs           275M  108K  275M   1% /run/user/1000
```

Here we have used **df -h** as simply typing **df** will return the output in bytes which is not readable, so we add **-h** to make the outputs more readable and understandable.

24. `wc` is command

[wc command](#) in Linux indicates the number of words, characters, lines, etc using a set of options.

- `wc -w` shows the number of words
- `wc -l` shows the number of lines
- `wc -m` shows the number of characters present in a file

Let's see one example of these options

Command:

```
1 touch file.txt
2 echo -e "This file has only six words" > file.txt
3 wc -w file.txt
```

Output:

```
6 file.txt
```

Here we used the **touch** command to create a text file and then used the **echo** command to input a sentence that contains six words and we used the `wc -w` command to calculate the number of words in it.


```
yasmin@xubuntu-22:~$ wc -w yasmin.txt
```

```
17 yasmin.txt
```

```
yasmin@xubuntu-22:~$ wc -l yasmin.txt
```

```
3 yasmin.txt
```

```
yasmin@xubuntu-22:~$ wc -m yasmin.txt
```

```
98 yasmin.txt
```

```
yasmin@xubuntu-22:~$
```