

kiit@BT-21052893: ~

kiit@BT-21052893:~\$ cat file3

This is a test file1

kiit@BT-21052893:~\$ ls

Abhishek Documents Music Public Videos file2 file1 testdir 'url?sa=i'
Desktop Downloads Pictures Templates downloading-the-ubuntu-installation-file.png file3 letsPhish thinclient_drives wget-log

kiit@BT-21052893:~\$ more Abhishek

*** Abhishek: directory ***

kiit@BT-21052893:~\$ less Abhishek

Abhishek is a directory

kiit@BT-21052893:~\$ sort Abhishek

sort: read failed: Abhishek: Is a directory

kiit@BT-21052893:~\$ free

	total	used	free	shared	buff/cache	available
Mem:	7816052	110852	7648348	64	56852	7545656
Swap:	2097152	0	2097152			

kiit@BT-21052893:~\$ free -m

	total	used	free	shared	buff/cache	available
Mem:	7632	108	7468	0	55	7368
Swap:	2048	0	2048			

kiit@BT-21052893:~\$ top

top - 22:35:12 up 53 min, 0 users, load average: 0.00, 0.00, 0.00
Tasks: 5 total, 1 running, 4 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.0 us, 0.0 sy, 0.0 ni,100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 7632.9 total, 7468.1 free, 108.8 used, 56.0 buff/cache
MiB Swap: 2048.0 total, 2048.0 free, 0.0 used. 7367.9 avail Mem

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
1	root	20	0	1.7m	1.1m	1.0m	S	0.0	0.0	0:00.03	init
7	root	20	0	1.7m	0.1m	0.0m	S	0.0	0.0	0:00.00	init
8	root	20	0	1.7m	0.1m	0.0m	S	0.0	0.0	0:00.55	init
9	kiit	20	0	10.3m	5.4m	3.2m	S	0.0	0.1	0:00.18	bash
60	kiit	20	0	10.6m	3.5m	3.0m	R	0.0	0.0	0:00.41	top

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kiit@BT-21052893: ~

```
drwxr-xr-x 4 kiit kiit 4096 Jun 21 2022 letsPhish
drwxrwxr-t 2 kiit kiit 4096 Nov 23 2021 thinclient_drives
-rw-r--r-- 1 kiit kiit 1428 Jan 12 13:31 'url?sa=i'
-rw-r--r-- 1 kiit kiit 740 Jan 12 13:31 wget-log
```

kiit@BT-21052893:~\$ pwd

/home/kiit

kiit@BT-21052893:~\$ mkdir testdir

kiit@BT-21052893:~\$ touch file1

kiit@BT-21052893:~\$ ls

```
Abhishek Documents Music Public Videos file1 testdir 'url?sa=i'
Desktop Downloads Pictures Templates downloading-the-ubuntu-installation-file.png letsPhish thinclient_drives wget-log
```

kiit@BT-21052893:~\$ cat file1

kiit@BT-21052893:~\$ vi file1

kiit@BT-21052893:~\$ cat file1

kiit@BT-21052893:~\$ vi file1

kiit@BT-21052893:~\$ cat file1

This is a test file1

kiit@BT-21052893:~\$ cp file1 file2

kiit@BT-21052893:~\$ ls

```
Abhishek Documents Music Public Videos file1 file1 testdir 'url?sa=i'
Desktop Downloads Pictures Templates downloading-the-ubuntu-installation-file.png file2 letsPhish thinclient_drives wget-log
```

kiit@BT-21052893:~\$ cat file1

This is a test file1

kiit@BT-21052893:~\$ cat file2

This is a test file1

kiit@BT-21052893:~\$ mv file1 file3

mv: cannot stat 'file': No such file or directory

kiit@BT-21052893:~\$ mv file1 file3

kiit@BT-21052893:~\$ ls

```
Abhishek Documents Music Public Videos file2 file1 testdir 'url?sa=i'
Desktop Downloads Pictures Templates downloading-the-ubuntu-installation-file.png file3 letsPhish thinclient_drives wget-log
```

kiit@BT-21052893:~\$ cat file3

This is a test file1

kiit@BT-21052893:~\$ ls

```
Abhishek Documents Music Public Videos file2 file1 testdir 'url?sa=i'
Desktop Downloads Pictures Templates downloading-the-ubuntu-installation-file.png file3 letsPhish thinclient_drives wget-log
```

kiit@BT-21052893:~\$ more Abhishek

*** Abhishek: directory ***

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kiit@BT-21052893: ~

```
-rw----- 1 kiit kiit 2048 Jan 12 13:27 .bash_history
-rw-r--r-- 1 kiit kiit 220 Nov 23 2021 .bash_logout
-rw-r--r-- 1 kiit kiit 3771 Nov 23 2021 .bashrc
drwxr-xr-x 10 kiit kiit 4096 Nov 23 2021 .cache
drwx----- 9 kiit kiit 4096 Nov 23 2021 .config
drwx----- 3 kiit kiit 4096 Nov 23 2021 .dbus
drwx----- 3 kiit kiit 4096 Nov 23 2021 .gnupg
drwxr-xr-x 2 kiit kiit 4096 Nov 23 2021 .landscape
drwx----- 3 kiit kiit 4096 Nov 23 2021 .local
-rw-r--r-- 1 kiit kiit 0 Jan 12 11:12 .motd_shown
drwx----- 4 kiit kiit 4096 Nov 23 2021 .mozilla
-rw-r--r-- 1 kiit kiit 807 Nov 23 2021 .profile
-rw-r--r-- 1 kiit kiit 0 Nov 23 2021 .sudo_as_admin_successful
-rw----- 1 kiit kiit 718 Mar 26 2022 .viminfo
-rw-r--r-- 1 kiit kiit 169 Jan 12 13:26 .wget-hsts
-rw-r--r-- 1 kiit kiit 37746 Nov 23 2021 .xorgxrdp.10.log
-rw-r--r-- 1 kiit kiit 14 Nov 23 2021 .xsession
-rw----- 1 kiit kiit 11633 Nov 23 2021 .xsession-errors
drwxr-xr-x 2 kiit kiit 4096 Mar 26 2022 Abhishek
drwxr-xr-x 2 kiit kiit 4096 Nov 23 2021 Desktop
drwxr-xr-x 2 kiit kiit 4096 Nov 23 2021 Documents
drwxr-xr-x 2 kiit kiit 4096 Nov 23 2021 Downloads
drwxr-xr-x 2 kiit kiit 4096 Nov 23 2021 Music
drwxr-xr-x 2 kiit kiit 4096 Nov 23 2021 Pictures
drwxr-xr-x 2 kiit kiit 4096 Nov 23 2021 Public
drwxr-xr-x 2 kiit kiit 4096 Nov 23 2021 Templates
drwxr-xr-x 2 kiit kiit 4096 Nov 23 2021 Videos
-rw-r--r-- 1 kiit kiit 24080 Feb 20 2022 downloading-the-ubuntu-installation-file.png
drwxr-xr-x 4 kiit kiit 4096 Jun 21 2022 letsPhish
drwxrwxr-t 2 kiit kiit 4096 Nov 23 2021 thinclient_drives
-rw-r--r-- 1 kiit kiit 1428 Jan 12 13:31 'url?sa=i'
-rw-r--r-- 1 kiit kiit 740 Jan 12 13:31 wget-log
```

kiit@BT-21052893:~\$ pwd

/home/kiit

kiit@BT-21052893:~\$ mkdir testdir

kiit@BT-21052893:~\$ touch file1

kiit@BT-21052893:~\$ ls

Abhishek	Documents	Music	Public	Videos	file1	testdir	'url?sa=i'
Desktop	Downloads	Pictures	Templates	downloading-the-ubuntu-installation-file.png	letsPhish	thinclient_drives	wget-log

kiit@BT-21052893:~\$ cat file1



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kiit@BT-21052893: ~

```
false
fc [-e ename] [-lnr] [first] [last] or fc -s [pat=rep] [command]
fg [job_spec]
for NAME [in WORDS ... ] ; do COMMANDS; done
for (( exp1; exp2; exp3 )); do COMMANDS; done
function name { COMMANDS ; } or name () { COMMANDS ; }
getopts optstring name [arg]
hash [-lr] [-p pathname] [-dt] [name ...]
help [-dms] [pattern ...]
```

kiit@BT-21052893:~\$ pwd

/home/kiit

kiit@BT-21052893:~\$ cd

kiit@BT-21052893:~\$ ls -la

ls: cannot access '-': No such file or directory

ls: cannot access 'la': No such file or directory

kiit@BT-21052893:~\$ ls -la

total 200

```
drwxr-xr-x 20 kiit kiit 4096 Jan 12 13:31 .
drwxr-xr-x  3 root root 4096 Nov 23  2021 ..
-rw-r--r--  1 kiit kiit  358 Nov 23  2021 .ICEauthority
-rw-r--r--  1 kiit kiit   61 Nov 23  2021 .Xauthority
-rw-r--r--  1 kiit kiit 2048 Jan 12 13:27 .bash_history
-rw-r--r--  1 kiit kiit  220 Nov 23  2021 .bash_logout
-rw-r--r--  1 kiit kiit 3771 Nov 23  2021 .bashrc
drwxr-xr-x 10 kiit kiit 4096 Nov 23  2021 .cache
drwx-----  9 kiit kiit 4096 Nov 23  2021 .config
drwx-----  3 kiit kiit 4096 Nov 23  2021 .dbus
drwx-----  3 kiit kiit 4096 Nov 23  2021 .gnupg
drwxr-xr-x  2 kiit kiit 4096 Nov 23  2021 .landscape
drwx-----  3 kiit kiit 4096 Nov 23  2021 .local
-rw-r--r--  1 kiit kiit    0 Jan 12 11:12 .motd_shown
drwx-----  4 kiit kiit 4096 Nov 23  2021 .mozilla
-rw-r--r--  1 kiit kiit  807 Nov 23  2021 .profile
-rw-r--r--  1 kiit kiit    0 Nov 23  2021 .sudo_as_admin_successful
-rw-r--r--  1 kiit kiit  718 Mar 26  2022 .viminfo
-rw-r--r--  1 kiit kiit  169 Jan 12 13:26 .wget-hsts
-rw-r--r--  1 kiit kiit 37746 Nov 23  2021 .xorgxrdp.10.log
-rw-r--r--  1 kiit kiit   14 Nov 23  2021 .xsession
-rw-r--r--  1 kiit kiit 11633 Nov 23  2021 .xsession-errors
drwxr-xr-x  2 kiit kiit 4096 Mar 26  2022 Abhishek
```

```
ulimit [-SHabcdefiklmnpqrstuvxPT] [limit]
umask [-p] [-S] [mode]
unalias [-a] name [name ...]
unset [-f] [-v] [-n] [name ...]
until COMMANDS; do COMMANDS; done
variables - Names and meanings of some shell variables
wait [-fn] [id ...]
while COMMANDS; do COMMANDS; done
{ COMMANDS ; }
```

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kiit@BT-21052893: ~

Desktop Downloads Pictures Templates downloading-the-ubuntu-installation-file.png thinclient_drives wget-log

kiit@BT-21052893:~\$ help

GNU bash, version 5.0.17(1)-release (x86_64-pc-linux-gnu)

These shell commands are defined internally. Type 'help' to see this list.

Type 'help name' to find out more about the function 'name'.

Use 'info bash' to find out more about the shell in general.

Use 'man -k' or 'info' to find out more about commands not in this list.

A star (*) next to a name means that the command is disabled.

```
job_spec [&]
(( expression ))
. filename [arguments]
:
[ arg... ]
[[ expression ]]
alias [-p] [name[=value] ... ]
bg [job_spec ...]
bind [-lpsvPSVX] [-m keymap] [-f filename] [-q name] [-u name] [-r keyseq] [-x keys]
break [n]
builtin [shell-builtin [arg ...]]
caller [expr]
case WORD in [PATTERN [| PATTERN]...) COMMANDS ;;)... esac
cd [-L|[-P [-e]] [-@]] [dir]
command [-pVv] command [arg ...]
compgen [-abcdefgjkusv] [-o option] [-A action] [-G globpat] [-W wordlist] [-F fun]
complete [-abcdefgjkusv] [-pr] [-DEI] [-o option] [-A action] [-G globpat] [-W word]
comptop [-o|+o option] [-DEI] [name ...]
continue [n]
coproc [NAME] command [redirections]
declare [-aAfFgIlNrtux] [-p] [name[=value] ...]
dirs [-clpv] [+N] [-N]
disown [-h] [-ar] [jobspec ... | pid ...]
echo [-neE] [arg ...]
enable [-a] [-dnps] [-f filename] [name ...]
eval [arg ...]
exec [-cl] [-a name] [command [arguments ...]] [redirection ...]
exit [n]
export [-fn] [name[=value] ...] or export -p
false
history [-c] [-d offset] [n] or history -anrw [filename] or history -ps arg [arg..>
if COMMANDS; then COMMANDS; [ elif COMMANDS; then COMMANDS; ]... [ else COMMANDS; >
jobs [-lnprs] [jobspec ...] or jobs -x command [args]
kill [-s sigspec | -n signum | -sigspec] pid | jobspec ... or kill -l [sigspec]
let arg [arg ...]
local [option] name[=value] ...
logout [n]
mapfile [-d delim] [-n count] [-O origin] [-s count] [-t] [-u fd] [-C callback] [->
popd [-n] [+N | -N]
printf [-v var] format [arguments]
pushd [-n] [+N | -N | dir]
pwd [-LP]
read [-ers] [-a array] [-d delim] [-i text] [-n nchars] [-N nchars] [-p prompt] [->
readarray [-d delim] [-n count] [-O origin] [-s count] [-t] [-u fd] [-C callback] >
readonly [-aAf] [name[=value] ...] or readonly -p
return [n]
select NAME [in WORDS ... ;] do COMMANDS; done
set [-abefhkmnptuvxBCHP] [-o option-name] [--] [arg ...]
shift [n]
shopt [-pqsu] [-o] [optname ...]
source filename [arguments]
suspend [-f]
test [expr]
time [-p] pipeline
times
trap [-lp] [[arg] signal_spec ...]
true
type [-afptP] name [name ...]
typeset [-aAfFgIlNrtux] [-p] name[=value] ...
ulimit [-SHabcdefiklmnpqrstuvxPT] [limit]
```

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kiit@BT-21052893: ~

Windows Subsystem for Linux is now available in the Microsoft Store!
You can upgrade by running 'wsl.exe --update' or by visiting <https://aka.ms/wslstorepage>
Installing WSL from the Microsoft Store will give you the latest WSL updates, faster.
For more information please visit <https://aka.ms/wslstoreinfo>

```
kiit@BT-21052893:~$ wget https://www.google.com/url?sa=i&url=https%3A%2F%2Fen.wikipedia.org%2Fwiki%2FGoogle_Images&psig=A0vVaw24kpjLpq16Fbh_F70jhfhQ&ust=1673596822192000&source=images&cd=vfe&ved=0CA0QjRxqFwoTCIDmr6XIwfwCFQAAAAAAdAAAAABAD
```

```
[1] 22
[2] 23
[3] 24
[4] 25
[5] 26
[6] 27
[2] Done          url=https%3A%2F%2Fen.wikipedia.org%2Fwiki%2FGoogle_Images
[3] Done          psig=A0vVaw24kpjLpq16Fbh_F70jhfhQ
[4] Done          ust=1673596822192000
[5] Done          source=images
[6]+ Done         cd=vfe
```

kiit@BT-21052893:~\$

Redirecting output to 'wget-log'.

```
[1]+ Done          wget https://www.google.com/url?sa=i
```

kiit@BT-21052893:~\$ ls

```
Abhishek  Documents  Music      Public     Videos    letsPhish      'url?sa=i'
Desktop   Downloads  Pictures   Templates  downloading-the-ubuntu-installation-file.png  thinclient_drives  wget-log
```

kiit@BT-21052893:~\$ help

GNU bash, version 5.0.17(1)-release (x86_64-pc-linux-gnu)
These shell commands are defined internally. Type 'help' to see this list.
Type 'help name' to find out more about the function 'name'.
Use 'info bash' to find out more about the shell in general.
Use 'man -k' or 'info' to find out more about commands not in this list.

A star (*) next to a name means that the command is disabled.

```
job_spec [&]
(( expression ))
. filename [arguments]
:
[ arg... ]
[[ expression ]]

history [-c] [-d offset] [n] or history -anrw [filename] or history -ps arg [arg...>
if COMMANDS; then COMMANDS; [ elif COMMANDS; then COMMANDS; ]... [ else COMMANDS; >
jobs [-lnprs] [jobspec ...] or jobs -x command [args]
kill [-s sigspec | -n signum | -sigspec] pid | jobspec ... or kill -l [sigspec]
let arg [arg ...]
local [option] name[=value] ...
```

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22:46
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kiit@BT-21052893: ~

Windows Subsystem for Linux is now available in the Microsoft Store!
You can upgrade by running 'wsl.exe --update' or by visiting <https://aka.ms/wslstorepage>
Installing WSL from the Microsoft Store will give you the latest WSL updates, faster.
For more information please visit <https://aka.ms/wslstoreinfo>

```
kiit@BT-21052893:~$ wget https://www.google.com/url?sa=i&url=https%3A%2F%2Fen.wikipedia.org%2Fwiki%2FGoogle_Images&psig=A0vVaw24kpjLpq16Fbh_F70jhfhQ&ust=1673596822192000&source=images&cd=vfe&ved=0CA0QjRxqFwoTCIDmr6XIwfwCFQAAAAAAdAAAAABAD
```

```
[1] 22
[2] 23
[3] 24
[4] 25
[5] 26
[6] 27
```

```
[2] Done          url=https%3A%2F%2Fen.wikipedia.org%2Fwiki%2FGoogle_Images
[3] Done          psig=A0vVaw24kpjLpq16Fbh_F70jhfhQ
[4] Done          ust=1673596822192000
[5] Done          source=images
[6]+ Done        cd=vfe
```

kiit@BT-21052893:~\$

Redirecting output to 'wget-log'.

```
[1]+ Done          wget https://www.google.com/url?sa=i
```

kiit@BT-21052893:~\$ ls

Abhishek	Documents	Music	Public	Videos	letsPhish	'url?sa=i'
Desktop	Downloads	Pictures	Templates	downloading-the-ubuntu-installation-file.png	thinclient_drives	wget-log

kiit@BT-21052893:~\$

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