

```
kiit@BT-21052881: ~/Desktop
kiit@BT-21052881:~$ ls
Desktop  Downloads  Pictures  Templates  a.out  p1.c.save  p3.c  thinclient_drives
Documents  Music  Public  Videos  p1.c  p2.c  pi.c
kiit@BT-21052881:~$ cd Desktop/
kiit@BT-21052881:~/Desktop$ pwd
/home/kiit/Desktop
kiit@BT-21052881:~/Desktop$ mkdir 21052881
Command 'mkdir' not found, did you mean:
command 'mkdir' from deb coreutils (8.30-3ubuntu2)
command 'mdir' from deb mtools (4.0.24-1)
command 'mmdir' from deb simh (3.8.1-6)
Try: sudo apt install <deb name>
kiit@BT-21052881:~/Desktop$ mkdir 21052881
kiit@BT-21052881:~/Desktop$ ls
21052881
kiit@BT-21052881:~/Desktop$ pwd
/home/kiit/Desktop
kiit@BT-21052881:~/Desktop$ cat > oslab1
hi I'm Sreetama and i study in KIIT
kiit@BT-21052881:~/Desktop$ cat oslab1
hi I'm Sreetama and i study in KIIT
kiit@BT-21052881:~/Desktop$ cp oslab1 oslab1copy
kiit@BT-21052881:~/Desktop$ cat oslab1
hi I'm Sreetama and i study in KIIT
kiit@BT-21052881:~/Desktop$ cp oslab1 oslab
kiit@BT-21052881:~/Desktop$ cat oslab
hi I'm Sreetama and i study in KIIT
kiit@BT-21052881:~/Desktop$ rm oslab
kiit@BT-21052881:~/Desktop$ cat oslab
cat: oslab: No such file or directory
kiit@BT-21052881:~/Desktop$ mv oslab1copy oslab1
kiit@BT-21052881:~/Desktop$ ls
21052881  oslab1
kiit@BT-21052881:~/Desktop$ mkdir sree
kiit@BT-21052881:~/Desktop$ ls
21052881  oslab1  sree
kiit@BT-21052881:~/Desktop$ rmdir sree
kiit@BT-21052881:~/Desktop$ ls
21052881  oslab1
kiit@BT-21052881:~/Desktop$ touch oslab1
kiit@BT-21052881:~/Desktop$ cat oslab1
hi I'm Sreetama and i study in KIIT
```

kiit@BT-21052881: ~/Desktop

Command 'mkdir' not found, did you mean:

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Try: sudo apt install <deb name>

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kiit@BT-21052881:~/Desktop$ ls
21052881  oslab1
kiit@BT-21052881:~/Desktop$ touch oslab1
kiit@BT-21052881:~/Desktop$ cat oslab1
hi I'm Sreetama and i study in KIIT
kiit@BT-21052881:~/Desktop$ date
Thu Jan 12 13:39:52 IST 2023
kiit@BT-21052881:~/Desktop$
```

Type here to search

28°C Haze 13:43  
12-01-2023

```
kiit@BT-21052881: ~/Desktop
kiit@BT-21052881:~/Desktop$ mv oslab1copy oslab1
kiit@BT-21052881:~/Desktop$ ls
21052881  oslab1
kiit@BT-21052881:~/Desktop$ mkdir sree
kiit@BT-21052881:~/Desktop$ ls
21052881  oslab1  sree
kiit@BT-21052881:~/Desktop$ rmdir sree
kiit@BT-21052881:~/Desktop$ ls
21052881  oslab1
kiit@BT-21052881:~/Desktop$ touch oslab1
kiit@BT-21052881:~/Desktop$ cat oslab1
hi I'm Sreetama and i study in KIIT
kiit@BT-21052881:~/Desktop$ date
Thu Jan 12 13:39:52 IST 2023
kiit@BT-21052881:~/Desktop$ zip oslab1

Command 'zip' not found, but can be installed with:

sudo apt install zip

kiit@BT-21052881:~/Desktop$
kiit@BT-21052881:~/Desktop$ cat>oslab
hi I'm Sreetama
kiit@BT-21052881:~/Desktop$ diff oslab1 oslab
1,2c1
< hi I'm Sreetama and i study in KIIT
<
---
> hi I'm Sreetama
kiit@BT-21052881:~/Desktop$ cmp oslab1 oslab
oslab1 oslab differ: byte 16, line 1
kiit@BT-21052881:~/Desktop$ comm oslab1 oslab
    hi I'm Sreetama
hi I'm Sreetama and i study in KIIT
comm: file 1 is not in sorted order

kiit@BT-21052881:~/Desktop$ ls
21052881  oslab  oslab1
kiit@BT-21052881:~/Desktop$ echo oslab1
oslab1
kiit@BT-21052881:~/Desktop$ uname -a
Linux BT-21052881 5.10.16.3-microsoft-standard-WSL2 #1 SMP Fri Apr 2 22:23:49 UTC 2021 x86_64 x86_64 x86_64 GNU/Linux
kiit@BT-21052881:~/Desktop$ whoami
kiit
```



kiit@BT-21052881: ~/Desktop

```
aloo
roti
pulao
mixture
soup
kiit@BT-21052881:~/Desktop$ cat>oslab1
ice cream
noodles
ie
rice
mixture
momo
soup
roti
stick
aloo
pulao
pudding
noo
kiit@BT-21052881:~/Desktop$ head oslab1
ice cream
noodles
ie
rice
mixture
momo
soup
roti
stick
aloo
kiit@BT-21052881:~/Desktop$ tail oslab1
rice
mixture
momo
soup
roti
stick
aloo
pulao
pudding
noo
kiit@BT-21052881:~/Desktop$
```

Type here to search

21°C Clear 21:53 12-01-2023

Select kiit@BT-21052881: ~/Desktop

```
aloo
kiit@BT-21052881:~/Desktop$ tail oslab1
rice
mixture
momo
soup
roti
stick
aloo
pulao
pudding
noo
kiit@BT-21052881:~/Desktop$ sort oslab1
aloo
ice cream
ie
mixture
momo
noo
noodles
pudding
pulao
rice
roti
soup
stick
kiit@BT-21052881:~/Desktop$ ~#passwd
~#passwd: command not found
kiit@BT-21052881:~/Desktop$ passwd
Changing password for kiit.
Current password:
passwd: Authentication token manipulation error
passwd: password unchanged
kiit@BT-21052881:~/Desktop$ cat oslab1|grep "hello"
kiit@BT-21052881:~/Desktop$ cat oslab1|grep "hi"
kiit@BT-21052881:~/Desktop$ cat oslab1|grep "roti"
roti
kiit@BT-21052881:~/Desktop$ ssh username@hhostname
ssh: Could not resolve hostname hhostname: Name or service not known
kiit@BT-21052881:~/Desktop$ service ssh status
* sshd is not running
kiit@BT-21052881:~/Desktop$ service ssh stop
* Stopping OpenBSD Secure Shell server sshd
kiit@BT-21052881:~/Desktop$ service ssh stop
* Stopping OpenBSD Secure Shell server sshd
```

[ OK ]

[ OK ]



21°C Clear 23:14 12-01-2023

Select kiit@BT-21052881: ~/Desktop

```
kiit@BT-21052881:~/Desktop$ ssh username@hhostname
ssh: Could not resolve hostname hhostname: Name or service not known
```

```
kiit@BT-21052881:~/Desktop$ service ssh status
```

```
* sshd is not running
```

```
kiit@BT-21052881:~/Desktop$ service ssh stop
```

```
* Stopping OpenBSD Secure Shell server sshd
```

[ OK ]

```
kiit@BT-21052881:~/Desktop$ service ssh stop
```

```
* Stopping OpenBSD Secure Shell server sshd
```

[ OK ]

```
kiit@BT-21052881:~/Desktop$ service ssh start
```

```
mkdir: cannot create directory '/run/sshd': Permission denied
```

```
kiit@BT-21052881:~/Desktop$ ifconfig
```

Command 'ifconfig' not found, but can be installed with:

```
sudo apt install net-tools
```

```
kiit@BT-21052881:~/Desktop$ cal
```

```
January 2023
Su Mo Tu We Th Fr Sa
 1  2  3  4  5  6  7
 8  9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31
```

```
kiit@BT-21052881:~/Desktop$ sudo apt install net-tools
```

```
[sudo] password for kiit:
```

```
Sorry, try again.
```

```
[sudo] password for kiit:
```

```
Sorry, try again.
```

```
[sudo] password for kiit:
```

```
sudo: 3 incorrect password attempts
```

```
kiit@BT-21052881:~/Desktop$ traceroute localhost
```

Command 'traceroute' not found, but can be installed with:

```
sudo apt install inetutils-traceroute # version 2:1.9.4-11ubuntu0.1, or
```

```
sudo apt install traceroute # version 1:2.1.0-2
```

```
kiit@BT-21052881:~/Desktop$ whereis sudo
```

```
sudo: /usr/bin/sudo /usr/lib/sudo /usr/share/man/man8/sudo.8.gz
```

```
kiit@BT-21052881:~/Desktop$ top
```

```
top - 23:14:07 up 5:19, 0 users, load average: 0.01, 0.03, 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
```

Type here to search

21°C Clear 23:14 12-01-2023



```
sudo apt install net-tools
```

```
kiit@BT-21052881:~/Desktop$ cal
```

```
January 2023
Su Mo Tu We Th Fr Sa
 1  2  3  4  5  6  7
 8  9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31
```

```
kiit@BT-21052881:~/Desktop$ sudo apt install net-tools
```

```
[sudo] password for kiit:
```

```
Sorry, try again.
```

```
[sudo] password for kiit:
```

```
Sorry, try again.
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```
[sudo] password for kiit:
```

```
sudo: 3 incorrect password attempts
```

```
kiit@BT-21052881:~/Desktop$ traceroute localhost
```

```
Command 'traceroute' not found, but can be installed with:
```

```
sudo apt install inetutils-traceroute # version 2:1.9.4-1ubuntu0.1, or
```

```
sudo apt install traceroute # version 1:2.1.0-2
```

```
kiit@BT-21052881:~/Desktop$ whereis sudo
```

```
sudo: /usr/bin/sudo /usr/lib/sudo /usr/share/man/man8/sudo.8.gz
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```
kiit@BT-21052881:~/Desktop$ top
```

```
top - 23:14:07 up 5:19, 0 users, load average: 0.01, 0.03, 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 : 12266.9 total, 12062.2 free, 115.3 used, 89.4 buff/cache
MiB Swap: 4096.0 total, 4096.0 free, 0.0 used. 11960.5 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
32	root	20	0	908	84	20	S	0.3	0.0	0:00.25	init
1	root	20	0	908	536	472	S	0.0	0.0	0:00.03	init
31	root	20	0	908	84	20	S	0.0	0.0	0:00.00	init
33	kiit	20	0	10416	5448	3712	S	0.0	0.0	0:00.18	bash
192	kiit	20	0	10900	3724	3180	R	0.0	0.0	0:00.03	top