

```
(base) rvu@rvu-OptiPlex-SFF-7020:~$ cd "desktop"
bash: cd: desktop: No such file or directory
(base) rvu@rvu-OptiPlex-SFF-7020:~$ mkdir desktop
(base) rvu@rvu-OptiPlex-SFF-7020:~$ cd "desktop"
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ ls
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ mkdir mohith
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ ls
mohith
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ pwd
/home/rvu/desktop
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ ls -l
total 4
drwxrwxr-x 2 rvu rvu 4096 Feb 10 14:10 mohith
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ ls -la
.  ..  mohith
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ nano
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ gcc extenc.c -o hi
cc1: fatal error: extenc.c: No such file or directory
compilation terminated.
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ gcc extence.c -o hi
extence.c:2:9: fatal error: conio.h: No such file or directory
   2 | #include<conio.h>
     |           ^~~~~~
compilation terminated.
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ nano
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ gcc Mohith.c -o hello
Mohith.c:2:9: fatal error: conio.h: No such file or directory
   2 | #include<conio.h>
     |           ^~~~~~
compilation terminated.
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ nano
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ nano Mohith.c
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ gcc Mohith.c -o hello
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ ./hello
hello(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ nano Mohith.c
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ sleep 30
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ sleep 1
```

```
. .. mohith
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ nano
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ gcc extenc.c -o hi
cc1: fatal error: extenc.c: No such file or directory
compilation terminated.
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ gcc extence.c -o hi
extence.c:2:9: fatal error: conio.h: No such file or directory
  2 | #include<conio.h>
    |           ^~~~~~
compilation terminated.
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ nano
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ gcc Mohith.c -o hello
Mohith.c:2:9: fatal error: conio.h: No such file or directory
  2 | #include<conio.h>
    |           ^~~~~~
compilation terminated.
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ nano
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ nano Mohith.c
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ gcc Mohith.c -o hello
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ ./hello
hello(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ nano Mohith.c
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ sleep 30
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ sleep 1
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ sleep &
[1] 9925
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ sleep: missing operand
Try 'sleep --help' for more information.
^C
[1]+  Exit 1                  sleep
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ sleep 30 &
[1] 9942
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ sleep 40 &
[2] 9943
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ jobs
[1]-  Done                  sleep 30
[2]+  Done                  sleep 40
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$
```

```
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ notepad.exe
notepad.exe: command not found
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ jobs
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ ls
extence.c  hello  mohith  Mohith.c
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ Mohith.c
Mohith.c: command not found
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ extence.c
extence.c: command not found
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ hello
Command 'hello' not found, but can be installed with:
sudo snap install hello          # version 2.10, or
sudo apt install hello           # version 2.10-3
sudo apt install hello-traditional # version 2.10-6
See 'snap info hello' for additional versions.
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ cap Mohith.c
Command 'cap' not found, but can be installed with:
sudo apt install capistrano
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ cat Mohith.c
#include<stdio.h>
int main()
{
printf("hello");
return 0;
}
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ jobs
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ fg
bash: fg: current: no such job
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ fg bg
bash: fg: bg: no such job
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ fg & bg
[1] 10127
bash: bg: job 1 already in background
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ bash: fg: no job control
^C
[1]+  Exit 1                  fg
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$
```



```

}
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ jobs
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ fg
bash: fg: current: no such job
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ fg bg
bash: fg: bg: no such job
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ fg & bg
[1] 10127
bash: bg: job 1 already in background
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ bash: fg: no job control
^C
[1]+  Exit 1                  fg
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ kill
kill: usage: kill [-s sigspec | -n signum | -sigspec] pid | jobspec ... or kill -l [sigspec]
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ ps
  PID TTY          TIME CMD
  9544 pts/0        00:00:00 bash
 10161 pts/0        00:00:00 ps
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ ps
  PID TTY          TIME CMD
  9544 pts/0        00:00:00 bash
 10169 pts/0        00:00:00 ps
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ pstree
systemd─ModemManager─3*[{ModemManager}]
        │
        └─NetworkManager─3*[{NetworkManager}]
            │
            ├──accounts-daemon─3*[{accounts-daemon}]
            ├──avahi-daemon─avahi-daemon
            ├──bluetoothd
            ├──colord─3*[{colord}]
            ├──cron
            ├──cups-browsed─3*[{cups-browsed}]
            ├──cupsd
            ├──dbus-daemon
            ├──fwupd─5*[{fwupd}]
            └─gdm3─gdm-session-wor─gdm-wayland-ses─gnome-session-b─3*[{gnome-session-b}]
                    │               │               │
                    │               │               └─3*[{gdm-wayland-ses}]
                    │               └─3*[{gdm-session-wor}]

```



```
├─ibus-memconf—3*[{ibus-memconf}]
│   └─3*[{ibus-daemon}]
├─ibus-portal—3*[{ibus-portal}]
├─nautilus—12*[{nautilus}]
├─2*[pipewire—2*[{pipewire}]]
├─pipewire-pulse—2*[{pipewire-pulse}]
├─snap—11*[{snap}]
├─snapd-desktop-i—snapd-desktop-i—4*[{snapd-desktop-i}]
├─tracker-miner-f—7*[{tracker-miner-f}]
├─wireplumber—5*[{wireplumber}]
├─xdg-desktop-por—6*[{xdg-desktop-por}]
├─xdg-desktop-por—5*[{xdg-desktop-por}]
├─xdg-desktop-por—4*[{xdg-desktop-por}]
├─xdg-document-po└─fusermount3
│   └─6*[{xdg-document-po}]
├─xdg-permission—3*[{xdg-permission-}]
├─systemd-journal
├─systemd-logind
├─systemd-oond
├─systemd-resolve
├─systemd-timesyn—{systemd-timesyn}
├─systemd-udev
├─thermald—4*[{thermald}]
├─udisksd—5*[{udisksd}]
├─unattended-upgr—{unattended-upgr}
├─upowerd—3*[{upowerd}]
└─wpa_supplicant
```

```
(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop$ pstree -p
systemd(1)─ModemManager(1484)─{ModemManager}(1568)
│   └─{ModemManager}(1575)
│     └─{ModemManager}(1577)
├─NetworkManager(1265)─{NetworkManager}(1558)
│   └─{NetworkManager}(1560)
│     └─{NetworkManager}(1561)
├─accounts-daemon(1177)─{accounts-daemon}(1305)
│   └─{accounts-daemon}(1306)
│     └─{accounts-daemon}(1309)
```

```

--systemd-resolve(1030)
--systemd-timesyn(1031)---{systemd-timesyn}(1043)
--systemd-udev(628)
--thermald(1184)---{thermald}(1220)
                    |---{thermald}(1221)
                    |---{thermald}(1262)
                    |---{thermald}(1674)
--udisksd(1185)---{udisksd}(1208)
                    |---{udisksd}(1209)
                    |---{udisksd}(1263)
                    |---{udisksd}(1530)
                    |---{udisksd}(1611)
--unattended-upgr(1761)---{unattended-upgr}(1815)
--upowerd(1644)---{upowerd}(1669)
                  |---{upowerd}(1670)
                  |---{upowerd}(1671)
--wpa_supplicant(1267)

```

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$ sudo

usage: sudo -h | -K | -k | -V

usage: sudo -v [-ABkNnS] [-g group] [-h host] [-p prompt] [-u user]

usage: sudo -l [-ABkNnS] [-g group] [-h host] [-p prompt] [-U user]  
 [-u user] [command [arg ...]]

usage: sudo [-ABbEHkNnPS] [-r role] [-t type] [-C num] [-D directory]  
 [-g group] [-h host] [-p prompt] [-R directory] [-T timeout]  
 [-u user] [VAR=value] [-i | -s] [command [arg ...]]

usage: sudo -e [-ABkNnS] [-r role] [-t type] [-C num] [-D directory]  
 [-g group] [-h host] [-p prompt] [-R directory] [-T timeout]  
 [-u user] file ...

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$ ps -o pid

PID

9544

10365

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$ ps -o pid,ppid,cmd

PID PPID CMD

9544 9537 bash

10368 9544 ps -o pid,ppid,cmd

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$



```
usage: sudo -v [-ABkNnS] [-g group] [-h host] [-p prompt] [-u user]
usage: sudo -l [-ABkNnS] [-g group] [-h host] [-p prompt] [-U user]
        [-u user] [command [arg ...]]
usage: sudo [-ABbEHkNnPS] [-r role] [-t type] [-C num] [-D directory]
        [-g group] [-h host] [-p prompt] [-R directory] [-T timeout]
        [-u user] [VAR=value] [-i | -s] [command [arg ...]]
usage: sudo -e [-ABkNnS] [-r role] [-t type] [-C num] [-D directory]
        [-g group] [-h host] [-p prompt] [-R directory] [-T timeout]
        [-u user] file ...
```

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$ ps -o pid

```
PID
9544
10365
```

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$ ps -o pid,ppid,cmd

```
PID  PPID CMD
9544  9537 bash
10368  9544 ps -o pid,ppid,cmd
```

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$ bash

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$ ps

```
PID TTY          TIME CMD
9544 pts/0        00:00:00 bash
10575 pts/0        00:00:00 bash
10586 pts/0        00:00:00 ps
```

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$ nano

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$ nano Mohith.sh

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$ chmod +x Mohith.sh

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$ ./Mohith.sh

parent PID:10742

sleep: invalid time interval '\$'

Try 'sleep --help' for more information.

```
PID  PPID CMD
9544  9537 bash
10575  9544 bash
10742  10575 /bin/bash ./Mohith.sh
10744  10742 ps -o pid,ppid,cmd
```

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$ nano Mohith.sh

(base) rvu@rvu-OptiPlex-SFF-7020:~/desktop\$

GNU nano 7.2

```
#!/bin/bash
```

```
echo "parent PID:$$"
```

```
sleep 20 $
```

```
ps -o pid,ppid,cmd
```