

```
rvu@rvu-OptiPlex-SFF-7020: ~/Desktop
(base) rvu@rvu-OptiPlex-SFF-7020:~$ mkdir vaishnavi
(base) rvu@rvu-OptiPlex-SFF-7020:~$ cd vaishnavi
(base) rvu@rvu-OptiPlex-SFF-7020:~/vaishnavi$ cd -
/home/rvu
(base) rvu@rvu-OptiPlex-SFF-7020:~$ ls
anaconda3  Deekshith  Documents  exam.sh.save  manojo  p1.c    project  SectionC418  support.sh  Videos
chandana   Desktop    Downloads   hemanth     'mohith m' Pictures  project.txt  see_practical_exam Templates
Chandana   document   exam.sh    logfile.txt  Music    prog2.c  Public    snap          vaishnavi
(base) rvu@rvu-OptiPlex-SFF-7020:~$ cd vaishnavi
(base) rvu@rvu-OptiPlex-SFF-7020:~/vaishnavi$ cd ..
(base) rvu@rvu-OptiPlex-SFF-7020:~$ cd Desktop
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ ls
chirag
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ pwd
/home/rvu/Desktop
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ ls -l
total 4
drwxrwxr-x 3 rvu rvu 4096 Nov 19 10:15 chirag
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ ls -a
. ...
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ nano
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ nano
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ gcc p1.c -o out
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ ./out
Helloo(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] 6130
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ sleep: missing operand
Try 'sleep --help' for more information.

[1]+ Exit 1                  sleep
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ sleep 30 &
[1] 6139
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ sleep 40 &
[2] 6140
```

rvu@rvu-OptiPlex-SFF-7020: ~/Desktop

```
|--systemd-logind(1227)
|--systemd-oomd(924)
|--systemd-resolve(941)
|--systemd-timesyn(957)---{systemd-timesyn}(998)
|--systemd-udevd(606)
`--thermald(1230)   |--{thermald}(1361)
                     |   |--{thermald}(1362)
                     |   |--{thermald}(1424)
                     |   |--{thermald}(1553)
`--udisksd(1232)   |--{udisksd}(1308)
                     |   |--{udisksd}(1310)
                     |   |--{udisksd}(1423)
                     |   |--{udisksd}(1507)
                     |   |--{udisksd}(1536)
`--unattended-upgr(1638)---{unattended-upgr}(1693)
`--upowerd(1542)    |--{upowerd}(1549)
                     |   |--{upowerd}(1550)
                     |   |--{upowerd}(1551)
`--wpa_supplicant(1429)
```

```
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ sudo install gcc
[sudo] password for rvu:
```

```
install: missing destination file operand after 'gcc'
Try 'install --help' for more information.
```

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

PID	PPID	CMD
3689	3681	bash
7762	3689	ps -o pid,ppid,cmd

```
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ nano
```

```
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ chmod +x p1.sh
```

```
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ ./p1.sh
```

Parent PID: 7959

PID	PPID	CMD
3689	3681	bash
7959	3689	/bin/bash ./p1.sh
7960	7959	sleep 20
7961	7959	ps -o pid,ppid,cmd

```
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ 
```

```
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ jobs
[1]-  Done                      sleep 30
[2]+  Done                      sleep 40
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ ls
chirag  out  p1.c  y
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ cat p1.c
#include<stdio.h>
void main()
{
    printf("Helloo");
}

(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: bg: no job control
bash: fg: no job control
(base) rvu@rvu-OptiPlex-SFF-7020:~/Desktop$ ps
  PID TTY      TIME CMD
 3689 pts/0    00:00:00 bash
 6164 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}]
```

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```
systemd-logind
systemd-oomd
systemd-resolve
systemd-timesyn—{systemd-timesyn}
systemd-udevd
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(1483)—{ModemManager}(1508)
          └─{ModemManager}(1512)
          └─{ModemManager}(1514)
NetworkManager(1427)—{NetworkManager}(1516)
          └─{NetworkManager}(1517)
          └─{NetworkManager}(1518)
accounts-daemon(1207)—{accounts-daemon}(1289)
          └─{accounts-daemon}(1290)
          └─{accounts-daemon}(1420)
avahi-daemon(1130)—avahi-daemon(1248)
bluetoothd(1132)
colord(1667)—{colord}(1695)
          └─{colord}(1696)
          └─{colord}(1698)
cron(1214)
cups-browsed(2426)—{cups-browsed}(2435)
          └─{cups-browsed}(2436)
          └─{cups-browsed}(2437)
cupsd(1629)
dbus-daemon(1134)
fwupd(4204)—{fwupd}(4205)
          └─{fwupd}(4206)
          └─{fwupd}(4207)
          └─{fwupd}(4208)
          └─{fwupd}(4210)
gdm3(1676)—gdm-session-wor(2473)—gdm-wayland-ses(2626)—gnome-session-b(2635)—{gnome-session-b}(2717)
```