```
m309@m309-BY-OEM:~$ nano fork.c
m309@m309-BY-OEM:~$ gcc fork.c -o fork
m309@m309-BY-OEM:~$ ./fork
Parent Process
Parent PID: 5245
Child Process
Child PID: 5246
Parent PID: 5245
m309@m309-BY-OEM:~$
```

```
arent PID: 3243
m309@m309-BY-OEM:~$ nano fork.c
m309@m309-BY-OEM:~$ nano orphan.c
m309@m309-BY-OEM:~$ ./orphan
bash: ./orphan: No such file or directory
m309@m309-BY-OEM:~$ gcc orphan.c -o orphan
m309@m309-BY-OEM:~$ ./orphan
Parent exiting
m309@m309-BY-OEM:~$ Child Process
PID: 6313
PPID: 2095
```

```
m309@m309-BY-OEM:~$ nano orphan.c
m309@m309-BY-OEM:~$ nano zombie.c
m309@m309-BY-OEM:~$ gcc zombie.c -o zombie
m309@m309-BY-OEM:~$ ./zombie
Child exiting

Parent sleeping
```

```
Parent sleeping
m309@m309-BY-OEM:~$
m309@m309-BY-OEM:~$
m309@m309-BY-OEM:~$
m309@m309-BY-OEM:~$
m309@m309-BY-OEM:~$
m309@m309-BY-OEM:~$ nano zombie.c
m309@m309-BY-OEM:~$ sleep 500 &
[1] 6481
m309@m309-BY-OEM:~$ kill 6481
m309@m309-BY-OEM:~$ ps -ef | grep sleep
root         6479     1663  0 17:20 ?        00:00:00 sleep 3600
m309         6498     3124  0 17:22 pts/0    00:00:00 grep --color=auto sleep
[1]+  Terminated              sleep 500
m309@m309-BY-OEM:~$ sleep 500 &
[1] 6500
m309@m309-BY-OEM:~$ pkill sleep
pkill: killing pid 6479 failed: Operation not permitted
[1]+  Terminated              sleep 500
m309@m309-BY-OEM:~$ pgrep sleep
6479
m309@m309-BY-OEM:~$ sleep 500 &
[1] 6507
m309@m309-BY-OEM:~$ killall sleep
sleep(6479): Operation not permitted
[1]+  Terminated              sleep 500
m309@m309-BY-OEM:~$ ls
Desktop    Downloads  fork    Music   orphan.c  Public    Templates  zombie
Documents  file.txt   fork.c  orphan  Pictures  snap      Videos     zombie.c
m309@m309-BY-OEM:~$
```

```
Infinite loop running...
Infinite loop running...
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