

# TD3

## Exercise 2

```
florian@ubuntu:~$ ps aux | grep multiple_fork2.exe
florian 36634 0.0 0.0 2364 520 pts/1 S+ 10:33 0:00 ./multiple_fork2.exe
florian 36635 0.0 0.0 2496 80 pts/1 S+ 10:33 0:00 ./multiple_fork2.exe
florian 36636 0.0 0.0 2496 80 pts/1 S+ 10:33 0:00 ./multiple_fork2.exe
florian 36637 0.0 0.0 2496 80 pts/1 S+ 10:33 0:00 ./multiple_fork2.exe
florian 36638 0.0 0.0 2496 80 pts/1 S+ 10:33 0:00 ./multiple_fork2.exe
florian 36639 0.0 0.0 2496 80 pts/1 S+ 10:33 0:00 ./multiple_fork2.exe
florian 36640 0.0 0.0 2496 80 pts/1 S+ 10:33 0:00 ./multiple_fork2.exe
florian 36641 0.0 0.0 2496 80 pts/1 S+ 10:33 0:00 ./multiple_fork2.exe
florian 36642 0.0 0.0 2496 80 pts/1 S+ 10:33 0:00 ./multiple_fork2.exe
florian 36643 0.0 0.0 2496 80 pts/1 S+ 10:33 0:00 ./multiple_fork2.exe
florian 36644 0.0 0.0 2496 80 pts/1 S+ 10:33 0:00 ./multiple_fork2.exe
florian 36666 0.0 0.1 17700 2552 pts/0 S+ 10:33 0:00 grep --color=auto multiple_fork2.exe
florian@ubuntu:~$
```

## Exercise 3

```
florian@ubuntu:~$ ps aux | grep zombie.exe
florian 54945 0.0 0.0 2364 592 pts/1 S+ 10:56 0:00 ./zombie.exe
florian 54946 0.0 0.0 0 0 pts/1 Z+ 10:56 0:00 [zombie.exe] <defunct>
florian 54948 0.0 0.0 17696 740 pts/0 S+ 10:56 0:00 grep --color=auto zombie.exe
```

Le père finis avant ses fils

## Exercise 4

```
florian@ubuntu:~$ ps aux | grep orphanin.exe
florian 55348 0.0 0.0 2496 76 pts/1 S 11:03 0:00 ./orphanin.exe
florian 55362 0.0 0.0 17696 672 pts/0 S+ 11:03 0:00 grep --color=auto orphanin.exe
florian@ubuntu:~$

florian@ubuntu:~/Documents/GitHub/PNS-S6-ProgSys/td03_distrib/td03$ ./orphanin.exe
fils: 1, ppid : 56000
florian@ubuntu:~/Documents/GitHub/PNS-S6-ProgSys/td03_distrib/td03$ fils: 1, ppid : 1503
florian@ubuntu:~/Documents/GitHub/PNS-S6-ProgSys/td03_distrib/td03$
```

## Exercise 7

Comparé au script bash, le programme c change temporairement de chemin pour son exécution contrairement au script qui exécute sans retourner au départ à la fin