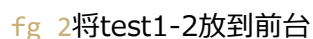


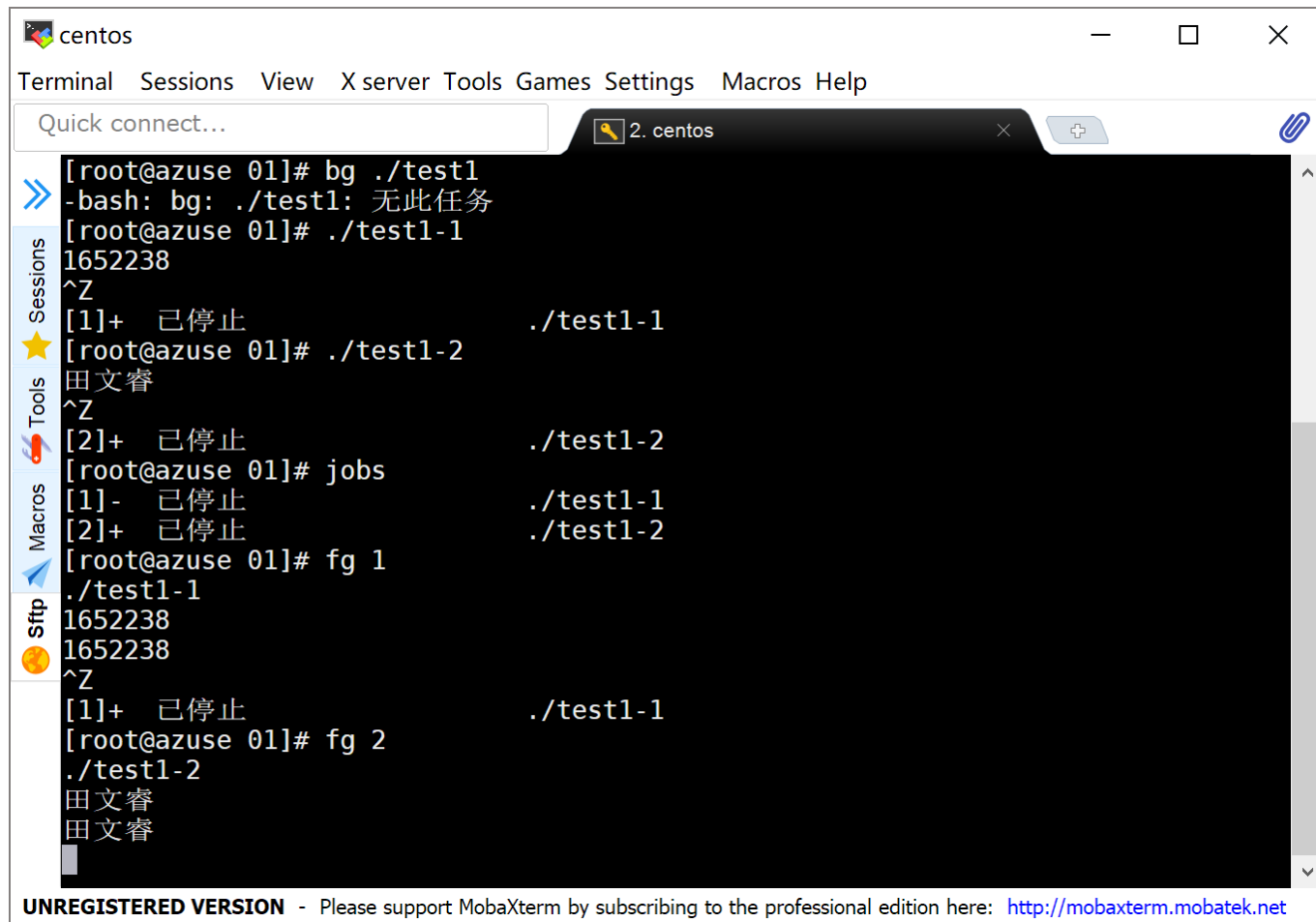
## 正常程序的前后台切换

**bg 1** 将刚刚暂停运行的程序放入后台

jobs

## fg 1





```
[root@azuse 01]# bg ./test1
-bash: bg: ./test1: 无此任务
[root@azuse 01]# ./test1-1
1652238
^Z
[1]+  已停止                  ./test1-1
[root@azuse 01]# ./test1-2
田文睿
^Z
[2]+  已停止                  ./test1-2
[root@azuse 01]# jobs
[1]-  已停止                  ./test1-1
[2]+  已停止                  ./test1-2
[root@azuse 01]# fg 1
./test1-1
1652238
1652238
^Z
[1]+  已停止                  ./test1-1
[root@azuse 01]# fg 2
./test1-2
田文睿
田文睿
```

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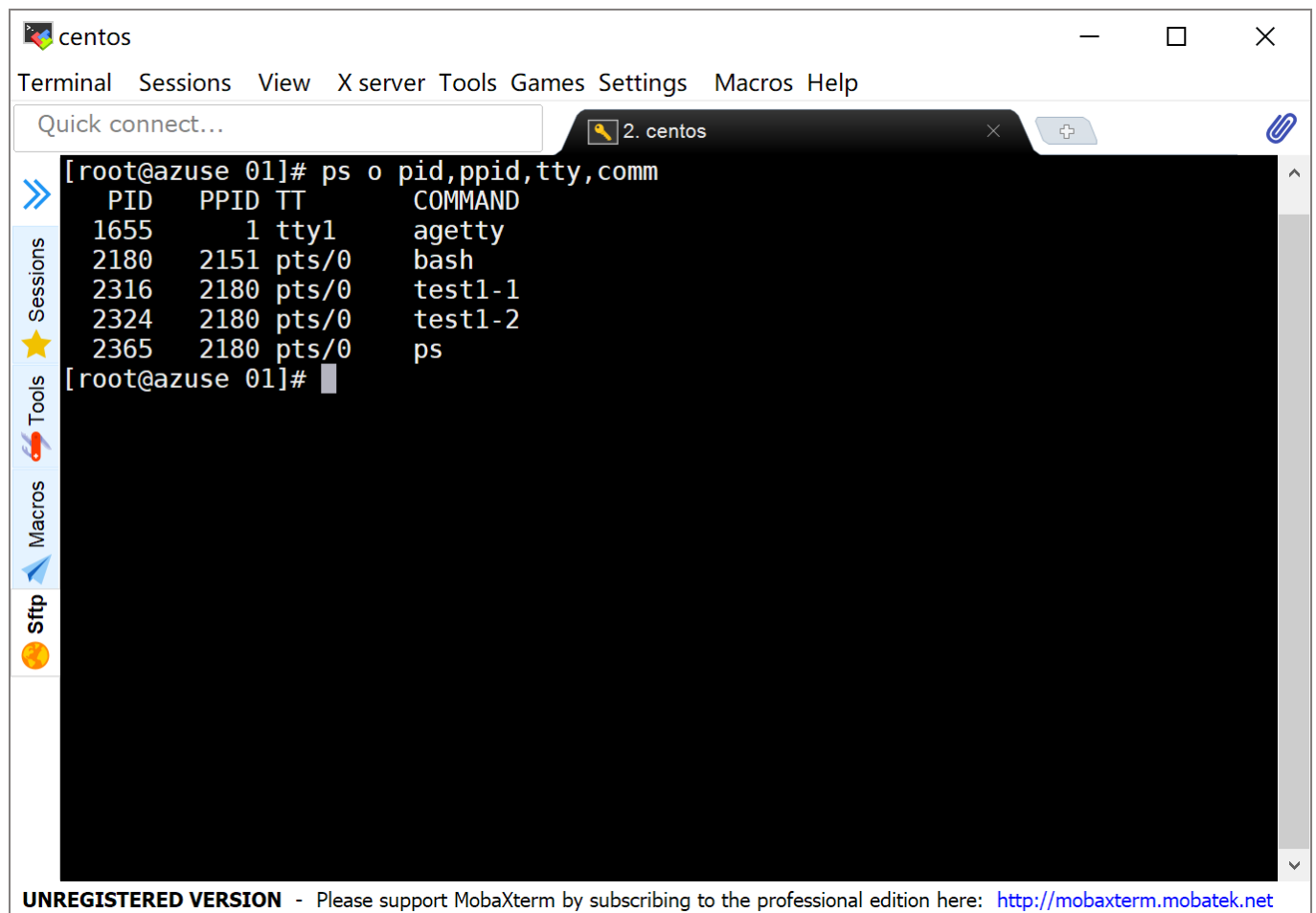
## 5 查看test1-1和test1-2的父进程

`ps o pid,ppid,TTY,comm`

主要是要用ps查看进程的ppid

这里使用o命令限制只显示pid ppid TTY comm

可以看到test1-1和test1-2的父进程都是2180就是bash

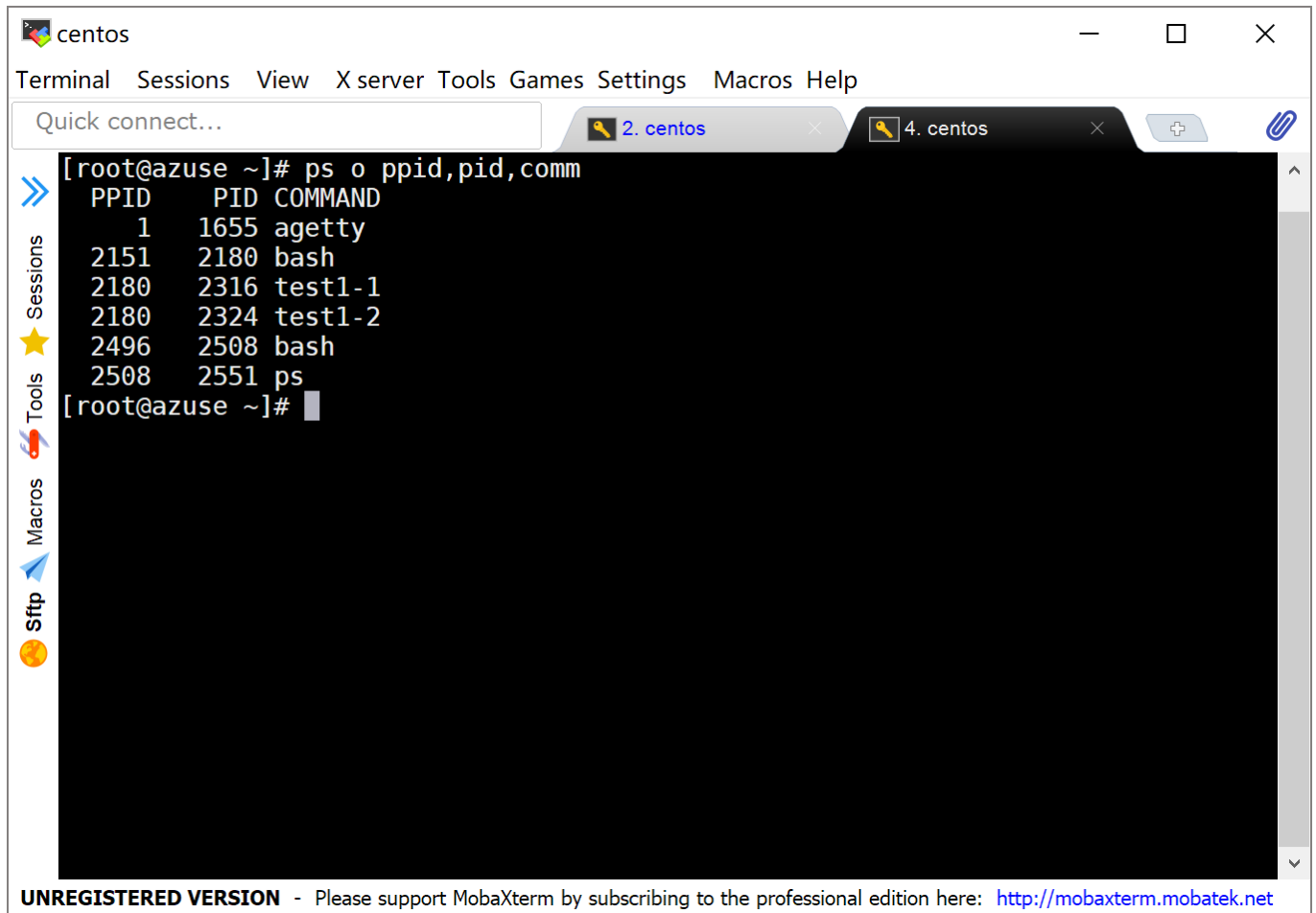


```
[root@azuse 01]# ps o pid,ppid,TTY,comm
PID    PPID  TTY    COMMAND
1655    1     tty1   agetty
2180    2151  pts/0  bash
2316    2180  pts/0  test1-1
2324    2180  pts/0  test1-2
2365    2180  pts/0  ps
[root@azuse 01]#
```

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6 再登陆一个控制台，查看test1-1 test1-2的信息

还是ps o pid,ppid,comm



The screenshot shows a MobaXterm window with a terminal session. The command `ps o pid,ppid,comm` has been executed, displaying the following process list:

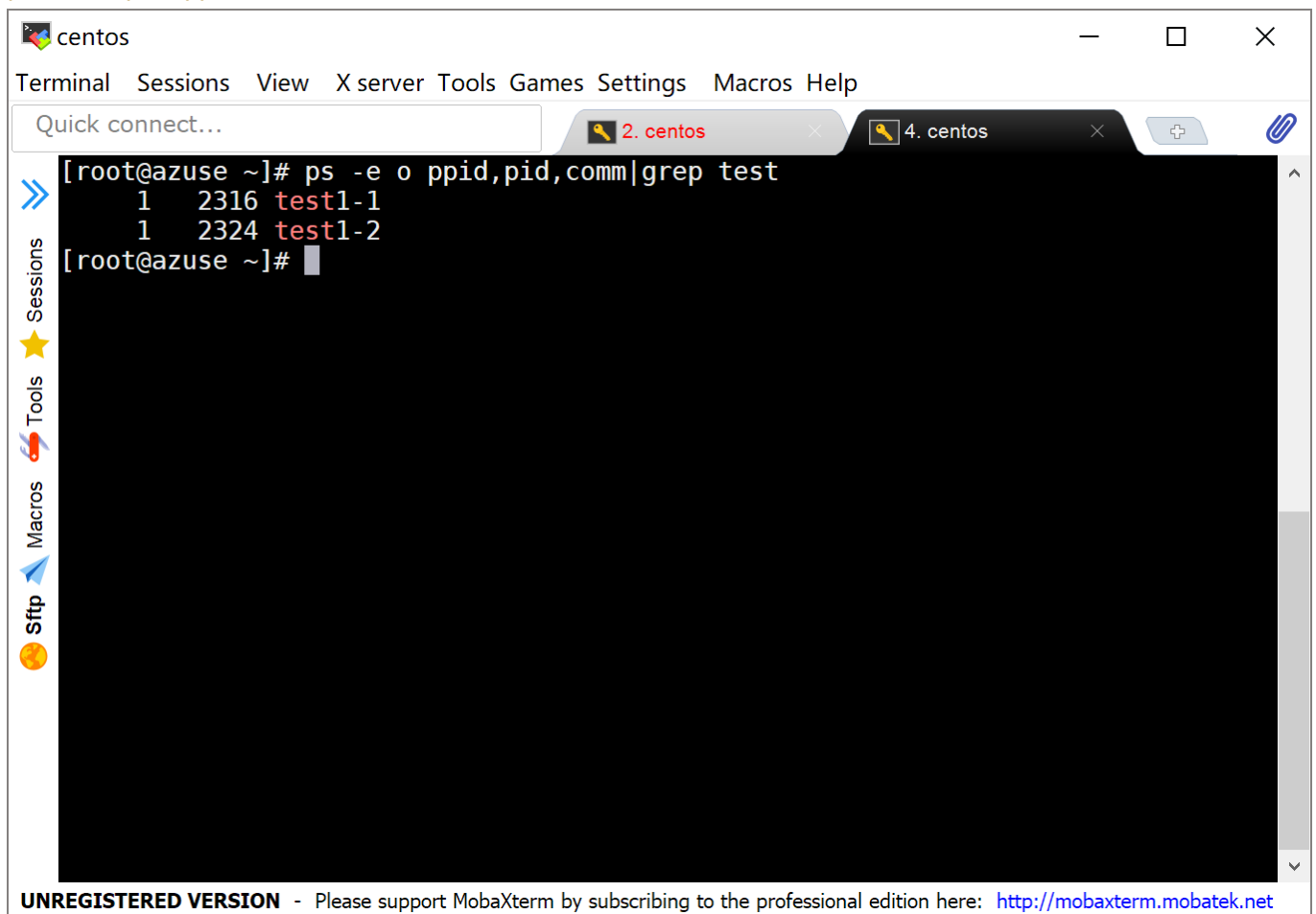
PPID	PID	COMMAND
1	1655	agetty
2151	2180	bash
2180	2316	test1-1
2180	2324	test1-2
2496	2508	bash
2508	2551	ps

The terminal prompt is `[root@azuse ~]#`. The window title is "centos" and the menu bar includes "Terminal", "Sessions", "View", "X server", "Tools", "Games", "Settings", "Macros", and "Help". The status bar at the bottom indicates "UNREGISTERED VERSION" and provides a link to the professional edition.

父进程还是pid为2180的bash

7 退出第一个控制台后，第二个控制台上看到的test1-1 test1-2的父进程

```
ps -e o pid,ppid,comm
```



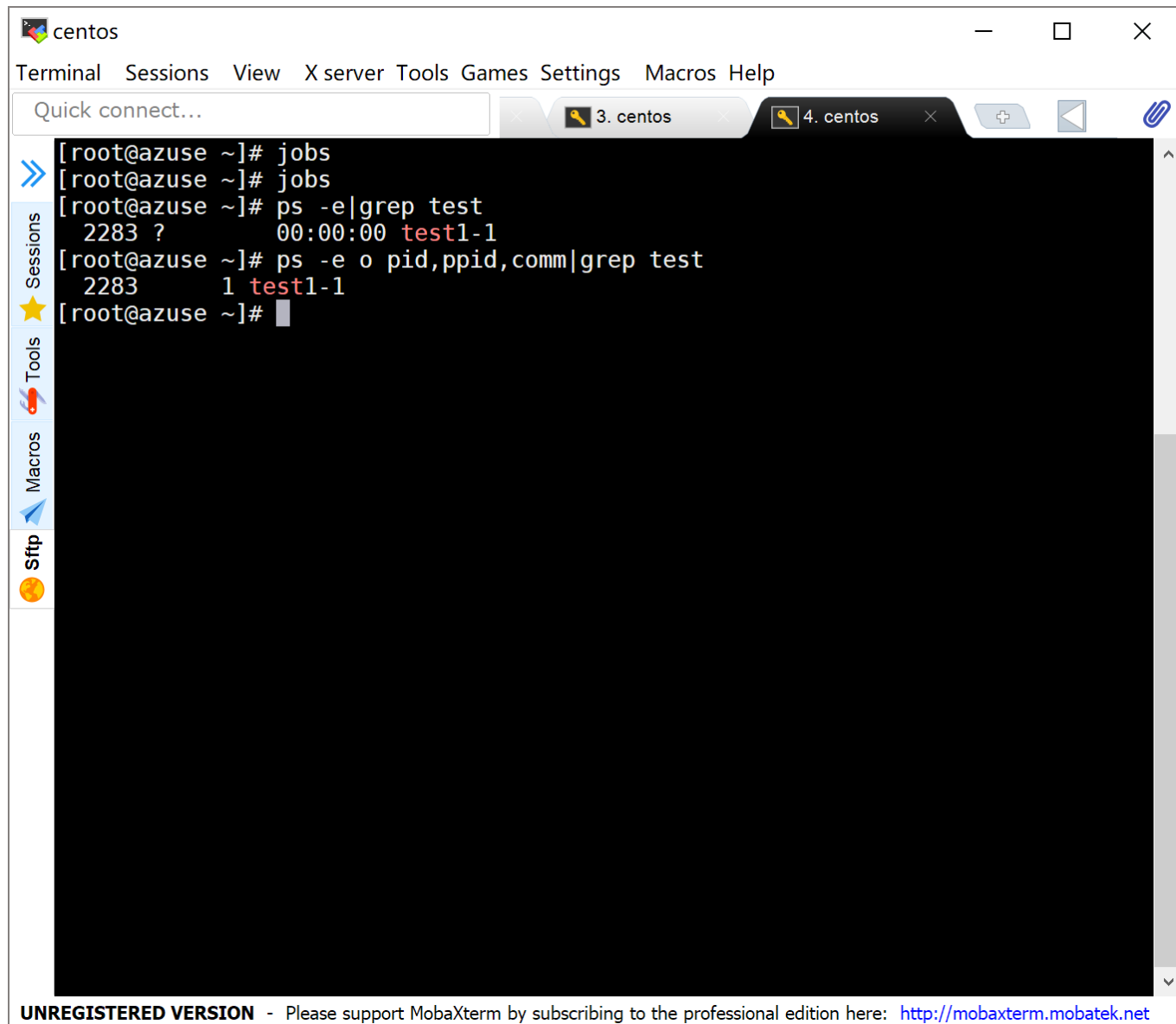
The screenshot shows a MobaXterm terminal window with the title bar 'centos'. The menu bar includes 'Terminal', 'Sessions', 'View', 'X server', 'Tools', 'Games', 'Settings', 'Macros', and 'Help'. The terminal displays the command `[root@azuse ~]# ps -e o pid,ppid,comm|grep test` and its output:

```
1    2316 test1-1
1    2324 test1-2
```

The prompt `[root@azuse ~]#` is shown again. The left sidebar contains icons for 'Sessions', 'Tools', 'Macros', and 'Sftp'. At the bottom, a message reads: 'UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <http://mobaxterm.mobatek.net>'.

父进程变成了1

8 test1-1和test1-2在终端退出登录后继续运行，打印信息能否出现在新的终端上？



```
[root@azuse ~]# jobs
[root@azuse ~]# jobs
[root@azuse ~]# ps -e|grep test
  2283 ?        00:00:00 test1-1
[root@azuse ~]# ps -e o pid,ppid,comm|grep test
  2283      1 test1-1
[root@azuse ~]#
```

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不能，第二个终端中并没有出现test1-1的信息，而通过ps -e能看到test1-1仍然在运行

## 9 如何让一个正常程序直接放入后台运行？

在命令后直接加&可以让程序直接放到后台学习

[illegible]