

1. Ubuntu 开机直接进入命令行模式

```
Ubuntu 15.10 ubuntu tty1

ubuntu login: root
Password:
Last login: Fri Apr 15 13:41:01 CST 2016 on tty1
root@ubuntu:~#
```

2. 运行示例程序 test3

```
Ubuntu 15.10 ubuntu tty1

ubuntu login: root
Password:
Last login: Fri Apr 15 13:41:01 CST 2016 on tty1
root@ubuntu:~# ll
total 160
drwx----- 6 root root 4096 Apr 15 01:59 ./
drwxr-xr-x 23 root root 4096 Apr 10 14:07 ../
-rwxr--r-- 1 root root 47902 Apr 14 16:44 a.bmp*
-rw----- 1 root root 2847 Apr 15 13:57 .bash_history
-rw-r--r-- 1 root root 3106 Feb 20 2014 .bashrc
drwx----- 3 root root 4096 Apr 10 14:07 .cache/
drwx----- 5 root root 4096 Apr 14 15:58 .config/
drwx----- 3 root root 4096 Apr 10 14:07 .dbus/
drwxr-xr-x 3 root root 4096 Apr 14 15:58 .local/
-rw-r--r-- 1 root root 140 Feb 20 2014 .profile
-rwxr-xr-x 1 root root 8784 Apr 14 16:02 test*
-rwxr-xr-x 1 root root 13568 Apr 14 18:03 test2*
-rw-r--r-- 1 root root 5391 Apr 14 18:03 test2.c
-rw-r--r-- 1 root root 5357 Apr 14 18:00 test2.c~
-rwxr-xr-x 1 root root 13032 Apr 14 22:43 test3*
-rw-r--r-- 1 root root 1735 Apr 14 22:43 test3.c
-rw-r--r-- 1 root root 783 Apr 14 16:02 test.c
-rw-r--r-- 1 root root 784 Apr 14 15:58 test.c~
-rw----- 1 root root 2130 Apr 15 01:59 .viminfo
root@ubuntu:~# ./test3_
```

3.示例程序效果图

```
Ubuntu 15.10 ubuntu tty1
ubuntu login: root
Password:
Last login: Fri Apr 15 13:41:01 CST 2016 on tty1
root@ubuntu:~# ls -la
total 160
drwx----- 6 root root 4096 Apr 15 01:59 ./
drwxr-xr-x 23 root root 4096 Apr 14 14:07 ../
-rwxr--r-- 1 root root 4096 Apr 16 16:44 a.bmp*
-rw----- 1 root root 4096 Apr 13 13:57 .bash_history
-rw-r--r-- 1 root root 4096 Apr 2014 .bashrc
drwx----- 3 root root 4096 Apr 14 14:07 .cache/
drwx----- 5 root root 4096 Apr 15 15:58 .config/
drwx----- 3 root root 4096 Apr 14 14:07 .dbus/
drwxr-xr-x 3 root root 4096 Apr 15 15:58 .local/
-rw-r--r-- 1 root root 4096 Apr 2014 .profile
-rwxr-xr-x 1 root root 4096 Apr 16 16:02 test*
-rwxr-xr-x 1 root root 13568 Apr 14 18:03 test2*
-rw-r--r-- 1 root root 5391 Apr 14 18:03 test2.c
-rw-r--r-- 1 root root 5357 Apr 14 18:00 test2.c~
-rwxr-xr-x 1 root root 13032 Apr 14 22:43 test3*
-rw-r--r-- 1 root root 1735 Apr 14 22:43 test3.c
-rw-r--r-- 1 root root 783 Apr 14 16:02 test.c
-rw-r--r-- 1 root root 784 Apr 14 15:58 test.c~
-rw----- 1 root root 2130 Apr 15 01:59 .viminfo
root@ubuntu:~# ./test3
```

4.启动 X Window

```
root@ubuntu:~# service lightdm start
^Iaroot@ubuntu:~#
```

5.启动 X Window 之后的效果

