1.

**alex@alexpc**:**~**$ pwd  
/home/alex  
**alex@alexpc**:**~**$ cd /  
**alex@alexpc**:**/**$ pwd  
/  
**alex@alexpc**:**/**$ ls  
**bin** **dev** **initrd.img** **lib64** **mnt** **root** **snap** **sys** **var**  
**boot** **etc** **initrd.img.old** **lost+found** **opt** **run** **srv** tmp **vmlinuz**  
**cdrom** **home** **lib** **media** **proc** **sbin** swapfile **usr** **vmlinuz.old**  
**alex@alexpc**:**/**$ cd /etc  
**alex@alexpc**:**/etc**$ ls  
**acpi** hosts.allow popularity-contest.conf  
adduser.conf hosts.deny **ppp**  
**alternatives** **hp** **printcap**  
anacrontab **ifplugd** profile  
apg.conf **ImageMagick-6** **profile.d**  
**apm** **init** protocols  
**apparmor** **init.d** **pulse**  
**apparmor.d** **initramfs-tools** **python2.7**  
**apport** inputrc **python3**  
appstream.conf **insserv.conf.d** **python3.6**  
**apt** **iproute2** **rc0.d**  
**avahi** issue **rc1.d**  
bash.bashrc issue.net **rc2.d**  
bash\_completion **kernel** **rc3.d**  
**bash\_completion.d** kernel-img.conf **rc4.d**  
bindresvport.blacklist kerneloops.conf **rc5.d**  
**binfmt.d** **ldap** **rc6.d**  
**bluetooth** ld.so.cache **rcS.d**  
brlapi.key ld.so.conf **resolvconf**  
**brltty** **ld.so.conf.d** **resolv.conf**  
brltty.conf legal **rmt**  
**ca-certificates** libao.conf rpc  
ca-certificates.conf libaudit.conf rsyslog.conf  
**calendar** **libblockdev** **rsyslog.d**  
**chatscripts** **libnl-3** **sane.d**  
**conky** **libpaper.d** securetty  
**console-setup** **libreoffice** **security**  
**cracklib** lintianrc **selinux**  
**cron.d** locale.alias sensors3.conf  
**cron.daily** locale.gen **sensors.d**  
**cron.hourly** **localtime** services  
**cron.monthly** **logcheck** shadow  
crontab login.defs shadow-  
**cron.weekly** logrotate.conf shells  
**cups** **logrotate.d** **skel**  
**cupshelpers** lsb-release **speech-dispatcher**  
**dbus-1** ltrace.conf **ssh**  
**dconf** machine-id **ssl**  
debconf.conf magic subgid  
debian\_version magic.mime subgid-  
**default** mailcap subuid  
deluser.conf mailcap.order subuid-  
**depmod.d** manpath.config sudoers  
**dhcp** **mc** **sudoers.d**  
**dictionaries-common** mime.types sysctl.conf  
**dpkg** mke2fs.conf **sysctl.d**  
**emacs** **modprobe.d** **systemd**  
environment modules **terminfo**  
**firefox** **modules-load.d** **thermald**  
**fonts** **mtab** **thunderbird**  
fstab mtools.conf timezone  
fuse.conf nanorc **tmpfiles.d**  
**fwupd** **netplan** ucf.conf  
gai.conf **network** **udev**  
**gdb** **networkd-dispatcher** **udisks2**  
**gdm3** **NetworkManager** **ufw**  
**geoclue** networks updatedb.conf  
**ghostscript** **newt** **update-manager**  
**glvnd** nsswitch.conf **update-motd.d**  
**gnome** **opt** **update-notifier**  
**groff** **os-release** **UPower**  
group **PackageKit** usb\_modeswitch.conf  
group- pam.conf **usb\_modeswitch.d**  
**grub.d** **pam.d** vconsole.conf  
gshadow papersize **vim**  
gshadow- passwd **vtrgb**  
**gss** passwd- wgetrc  
**gtk-2.0** **pcmcia** whoopsie  
**gtk-3.0** **perl** **wpa\_supplicant**  
hdparm.conf **pki** **X11**  
host.conf **pm** **xdg**  
hostname pnm2ppa.conf zsh\_command\_not\_found  
hosts **polkit-1**  
**alex@alexpc**:**/etc**$ cd /proc  
**alex@alexpc**:**/proc**$ ls  
**1** **14** **154** **189** **324** **428** **541** cmdline **net**  
**10** **1410** **1541** **2** **33** **43** **573** consoles pagetypeinfo  
**11** **1411** **1545** **20** **339** **432** **575** cpuinfo partitions  
**1161** **1427** **155** **21** **34** **44** **58** crypto **pressure**  
**1162** **1431** **1551** **2124** **35** **45** **584** devices sched\_debug  
**1176** **1433** **1556** **2126** **3545** **46** **585** diskstats schedstat  
**1185** **1436** **1559** **2148** **36** **462** **59** dma **scsi**  
**12** **1443** **1560** **22** **367** **4642** **593** **driver** **self**  
**1202** **1450** **1561** **23** **37** **466** **6** execdomains slabinfo  
**1206** **1454** **1563** **24** **370** **4696** **60** fb softirqs  
**1207** **1462** **1566** **248** **371** **47** **607** filesystems stat  
**1220** **1472** **1568** **249** **373** **473** **615** **fs** swaps  
**1224** **1480** **158** **2497** **3731** **48** **616** interrupts **sys**  
**1226** **1482** **1596** **258** **3799** **488** **621** iomem sysrq-trigger  
**1232** **1488** **16** **2592** **38** **49** **639** ioports **sysvipc**  
**1235** **1493** **1607** **26** **3826** **4916** **648** **irq** **thread-self**  
**1316** **1498** **1619** **260** **387** **492** **697** kallsyms timer\_list  
**1317** **15** **1628** **261** **39** **5** **701** kcore **tty**  
**1327** **150** **1681** **2612** **3923** **50** **710** keys uptime  
**1329** **1502** **169** **27** **396** **5003** **716** key-users version  
**1332** **1506** **1698** **2738** **4** **504** **746** kmsg version\_signature  
**1333** **151** **17** **28** **40** **5076** **8** kpagecgroup vmallocinfo  
**1341** **1510** **1700** **281** **409** **509** **813** kpagecount vmstat  
**1342** **1511** **1713** **282** **4094** **51** **814** kpageflags zoneinfo  
**1352** **1512** **1716** **29** **41** **512** **848** loadavg  
**1357** **1514** **1731** **2906** **414** **513** **9** locks  
**1362** **1517** **1743** **3** **415** **52** **93** mdstat  
**1371** **152** **1772** **30** **416** **524** **acpi** meminfo  
**1376** **1522** **1776** **3082** **42** **5333** **asound** misc  
**1378** **1524** **1779** **32** **421** **5343** buddyinfo modules  
**1393** **1528** **18** **3231** **4227** **5353** **bus** **mounts**  
**1399** **153** **188** **3232** **4264** **5367** cgroups mtrr  
**alex@alexpc**:**/proc**$ cd /home  
**alex@alexpc**:**/home**$ ls  
**alex**  
**alex@alexpc**:**/home**$ cat /etc/crontab  
# /etc/crontab: system-wide crontab  
# Unlike any other crontab you don&apos;t have to run the `crontab&apos;  
# command to install the new version when you edit this file  
# and files in /etc/cron.d. These files also have username fields,  
# that none of the other crontabs do.

SHELL=/bin/sh  
PATH=/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin

# m h dom mon dow user        command  
17 \*        \* \* \*        root cd / && run-parts --report /etc/cron.hourly  
25 6        \* \* \*        root        test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.daily )  
47 6        \* \* 7        root        test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.weekly )  
52 6        1 \* \*        root        test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.monthly )  
#﻿

**alex@alexpc**:**/home**$ cat /etc/hosts  
127.0.0.1        localhost  
127.0.1.1        alexpc

# The following lines are desirable for IPv6 capable hosts  
::1 ip6-localhost ip6-loopback  
fe00::0 ip6-localnet  
ff00::0 ip6-mcastprefix  
ff02::1 ip6-allnodes  
ff02::2 ip6-allrouters

=====================================================================

2.

﻿

**alex@alexpc**:**~**$ cat > file1  
Text  
text text  
more text  
**alex@alexpc**:**~**$ cat > file2  
Text 2  
More text 2  
**alex@alexpc**:**~**$ cat file1 file2 > combined\_file  
**alex@alexpc**:**~**$ cat combined\_file  
Text  
text text  
more text  
Text 2  
More text 2  
**alex@alexpc**:**~**$ mv combined\_file combined\_file\_2  
**alex@alexpc**:**~**$ cat combined\_file\_2  
Text  
text text  
more text  
Text 2  
More text 2

==================================================================

3.

**alex@alexpc**:**~**$ cat > file3  
text 3  
**alex@alexpc**:**~**$ touch file4  
**alex@alexpc**:**~**$ mkdir dir1  
**alex@alexpc**:**~**$ mv file1 file2 file3 file4 dir1

﻿**alex@alexpc**:**~**$ rm -r dir1﻿

**alex@alexpc**:**~**$ rm combined\_file1 combined\_file\_2

=================================================================

4.

la -ld .\* | grep -v "^d" | wc -l

=================================================================

5.

﻿

**alex@alexpc**:**~**$ cd /etc  
**alex@alexpc**:**/etc**$ cat \* 2> /home/alex/err.log

**alex@alexpc**:**~**$ wc -l err.log  
129 err.log

=================================================================

6.

﻿

**alex@alexpc**:**~**$ ps ax | grep firefox  
 2497 tty1 Sl+ 2:51 /usr/lib/**firefox**/**firefox** -new-window  
 2592 tty1 Sl+ 0:07 /usr/lib/**firefox**/**firefox** -contentproc -childID 2 -isForBrowser -prefsLen 238 -prefMapSize 208095 -parentBuildID 20200107212822 -greomni /usr/lib/**firefox**/omni.ja -appomni /usr/lib/**firefox**/browser/omni.ja -appdir /usr/lib/**firefox**/browser 2497 true tab  
 2612 tty1 Sl+ 0:06 /usr/lib/**firefox**/**firefox** -contentproc -childID 3 -isForBrowser -prefsLen 6243 -prefMapSize 208095 -parentBuildID 20200107212822 -greomni /usr/lib/**firefox**/omni.ja -appomni /usr/lib/**firefox**/browser/omni.ja -appdir /usr/lib/**firefox**/browser 2497 true tab  
 3082 tty1 Sl+ 0:12 /usr/lib/**firefox**/**firefox** -contentproc -childID 10 -isForBrowser -prefsLen 8723 -prefMapSize 208095 -parentBuildID 20200107212822 -greomni /usr/lib/**firefox**/omni.ja -appomni /usr/lib/**firefox**/browser/omni.ja -appdir /usr/lib/**firefox**/browser 2497 true tab  
 3545 tty1 Sl+ 0:01 /usr/lib/**firefox**/**firefox** -contentproc -childID 14 -isForBrowser -prefsLen 8791 -prefMapSize 208095 -parentBuildID 20200107212822 -greomni /usr/lib/**firefox**/omni.ja -appomni /usr/lib/**firefox**/browser/omni.ja -appdir /usr/lib/**firefox**/browser 2497 true tab  
 7484 pts/0 S+ 0:00 grep --color=auto **firefox**  
**alex@alexpc**:**~**$ kill -15 2497  
**alex@alexpc**:**~**$ ps ax | grep firefox  
 7493 pts/0 S+ 0:00 grep --color=auto **firefox**

>> Firefox closed﻿

**alex@alexpc**:**~**$ ps ax | grep firefox  
 8556 tty1 Sl+ 0:06 /usr/lib/**firefox**/**firefox** -new-window  
 8609 tty1 Sl+ 0:03 /usr/lib/**firefox**/**firefox** -contentproc -childID 1 -isForBrowser -prefsLen 1 -prefMapSize 208199 -parentBuildID 20200107212822 -greomni /usr/lib/**firefox**/omni.ja -appomni /usr/lib/**firefox**/browser/omni.ja -appdir /usr/lib/**firefox**/browser 8556 true tab  
 8662 tty1 Sl+ 0:01 /usr/lib/**firefox**/**firefox** -contentproc -childID 2 -isForBrowser -prefsLen 6196 -prefMapSize 208199 -parentBuildID 20200107212822 -greomni /usr/lib/**firefox**/omni.ja -appomni /usr/lib/**firefox**/browser/omni.ja -appdir /usr/lib/**firefox**/browser 8556 true tab  
 8823 pts/0 S+ 0:00 grep --color=auto **firefox**  
**alex@alexpc**:**~**$ kill -9 8609

>>

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