Comandos linux

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Sistemas Operativos

7mo Cuatrimestre

1.-

```
catdev@PC621:~$ sudo -i
[sudo] contraseña para catdev:
root@PC621:~#
```

2.-

```
catdev@PC621:~$ su
Contraseña:
root@PC621:/home/catdev# sudo passwd root
Nueva contraseña:
Vuelva a escribir la nueva contraseña:
passwd: contraseña actualizada correctamente
root@PC621:/home/catdev#
```

3.-

```
catdev@PC621:~$ ls /
bin    etc          initrd.img.old  lib64      media  proc  sbin  tmp  vmlinuz
boot   home         lib             libx32     mnt    root  srv   usr  vmlinuz.old
dev    initrd.img   lib32           lost+found opt    run   sys   var
catdev@PC621:~$
```

4.-

```
catdev@PC621:~$ cd /
catdev@PC621:/$
```

5.-

```
catdev@PC621:/$ pwd
/
catdev@PC621:/$
```

6.-

```
catdev@PC621:/home$ su
Contraseña:
root@PC621:/home# mkdir prueba
root@PC621:/home# exit
exit
catdev@PC621:/home$ ls
catdev  prueba
catdev@PC621:/home$
```

7.-

```
catdev@PC621:/home/prueba$ su
Contraseña:
root@PC621:/home/prueba# touch test
root@PC621:/home/prueba# ls
test
root@PC621:/home/prueba#
```

8.-

```
root@PC621:/home/prueba# whoami
root
root@PC621:/home/prueba#
```

9.-

```
root@PC621:/home/prueba# cat /root/.bash_history
sudo visudo
sudo visudo
exit
exit
cls
clear
sudo -i
sudo i
sudo
sudo -i
exit
password root nrootCat621
passwd root nrootCat621
passwd r nrootCat621
passwd root nrootCat621
exit
sudo passwd root
exit
sudo passwd root
exit
exit
mkdir prueba
```

10.-

```
root@PC621:/home/prueba# ls
test
root@PC621:/home/prueba# cp test /root
root@PC621:/home/prueba# cd /root
root@PC621:~# ls
test
root@PC621:~#
```

11.-

```
root@PC621:/home/prueba# touch prueba
root@PC621:/home/prueba# ls
prueba   test
root@PC621:/home/prueba# rm -f prueba
root@PC621:/home/prueba# ls
test
root@PC621:/home/prueba# rm -f test
root@PC621:/home/prueba# ls
root@PC621:/home/prueba#
```

12.-

```
root@PC621:/home/prueba# cd /root
root@PC621:~# ls
test
root@PC621:~# mv test /
root@PC621:~# cd /
root@PC621:/# ls
bin    etc          initrd.img.old  lib64       media  proc  sbin  test  var
boot   home         lib             libx32      mnt    root  srv   tmp   vmlinuz
dev    initrd.img   lib32           lost+found  opt    run   sys   usr   vmlinuz.old
root@PC621:/#
```

13.-

```
root@PC621:/# ping 216.58.210.163
PING 216.58.210.163 (216.58.210.163) 56(84) bytes of data.
64 bytes from 216.58.210.163: icmp_seq=1 ttl=111 time=146 ms
64 bytes from 216.58.210.163: icmp_seq=2 ttl=111 time=147 ms
64 bytes from 216.58.210.163: icmp_seq=3 ttl=111 time=147 ms
64 bytes from 216.58.210.163: icmp_seq=4 ttl=111 time=147 ms
64 bytes from 216.58.210.163: icmp_seq=5 ttl=111 time=187 ms
64 bytes from 216.58.210.163: icmp_seq=6 ttl=111 time=146 ms
64 bytes from 216.58.210.163: icmp_seq=7 ttl=111 time=147 ms
64 bytes from 216.58.210.163: icmp_seq=8 ttl=111 time=154 ms
```

14.-

```
root@PC621:/# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen
1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
       valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group def
ault qlen 1000
    link/ether 08:00:27:2d:1d:34 brd ff:ff:ff:ff:ff:ff
    inet 172.16.105.6/24 brd 172.16.105.255 scope global dynamic noprefixroute enp0s3
       valid_lft 3258sec preferred_lft 3258sec
    inet6 fe80::a00:27ff:fe2d:1d34/64 scope link noprefixroute
       valid_lft forever preferred_lft forever
root@PC621:/# 
```

15.-

```
root@PC621:/# netstat -r
Kernel IP routing table
Destination     Gateway         Genmask         Flags   MSS Window  irtt Iface
default         _gateway        0.0.0.0         UG        0 0          0 enp0s3
link-local      0.0.0.0         255.255.0.0     U         0 0          0 enp0s3
172.16.105.0    0.0.0.0         255.255.255.0   U         0 0          0 enp0s3
```

16.-

```
root@PC621:/# top

top - 23:13:00 up  3:58,  1 user,  load average: 0.22, 0.08, 0.02
Tareas: 165 total,   1 running, 164 sleeping,   0 stopped,   0 zombie
%Cpu(s):  0.3 us,  0.7 sy,  0.0 ni, 99.0 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
MiB Mem :   2471.2 total,    601.9 free,   1096.1 used,    946.2 buff/cache
MiB Intercambio:    975.0 total,    946.6 free,     28.4 used.   1375.1 avail Mem

    PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM     TIME+ COMMAND
   4564 root      20   0   11688   5240   3344 R   0.7   0.2   0:00.07 top
   1318 catdev    20   0 3273680 220144 118672 S   0.3   8.7   2:44.02 gnome-shell
   4305 catdev    20   0  558992  54900  39536 S   0.3   2.2   0:08.95 gnome-terminal-
   4503 root      20   0       0      0      0 I   0.3   0.0   0:00.05 kworker/0:0-at+
      1 root      20   0  168012  11340   8032 S   0.0   0.4   0:01.26 systemd
      2 root      20   0       0      0      0 S   0.0   0.0   0:00.00 kthreadd
      3 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 rcu_gp
      4 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 rcu_par_gp
      5 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 slub_flushwq
      6 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 netns
     10 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 mm_percpu_wq
     11 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_kthr+
     12 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_rude+
     13 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_trac+
     14 root      20   0       0      0      0 S   0.0   0.0   0:00.75 ksoftirqd/0
```

17.-

```
root@PC621:/# traceroute www.google.com
traceroute to www.google.com (142.250.189.132), 30 hops max, 60 byte packets
 1  _gateway (172.16.105.1)  5.038 ms  4.972 ms  4.945 ms
 2  192.168.109.1 (192.168.109.1)  4.916 ms  4.891 ms  4.869 ms
 3  fixed-187-188-58-130.totalplay.net (187.188.58.130)  9.315 ms  9.104 ms  9.050 ms
 4  10.180.58.1 (10.180.58.1)  9.024 ms  8.997 ms  8.973 ms
 5  72.14.242.148 (72.14.242.148)  22.651 ms  22.434 ms  22.286 ms
 6  * * *
 7  142.250.60.158 (142.250.60.158)  22.906 ms 108.170.225.182 (108.170.225.182)  22.87
5 ms 142.251.253.6 (142.251.253.6)  22.847 ms
 8  108.170.249.2 (108.170.249.2)  22.824 ms  24.135 ms 142.251.68.237 (142.251.68.237)
  24.073 ms
 9  142.250.213.49 (142.250.213.49)  24.042 ms 142.250.212.203 (142.250.212.203)  23.75
1 ms 142.250.214.117 (142.250.214.117)  23.729 ms
10  142.250.238.173 (142.250.238.173)  23.611 ms 216.239.54.70 (216.239.54.70)  23.394
ms mia09s26-in-f4.1e100.net (142.250.189.132)  23.287 ms
root@PC621:/# █
```

18.-

```
root@PC621:/# nslookup www.google.com
Server:         8.8.8.8
Address:        8.8.8.8#53

Non-authoritative answer:
Name:   www.google.com
Address: 142.250.189.132
Name:   www.google.com
Address: 2607:f8b0:4008:809::2004

root@PC621:/#
```