# UNIVERSIDAD POLITÉCNICA DE QUINTANA ROO

Actividad: Tarea #988

SISTEMAS OPERATIVOS

Alumna: Tzuc Vázquez Ariana Patricia

7° CUATRIMESTRE. GRUPO:27BV.

DOCENTE: ISMAEL JIMÉNEZ SÁNCHEZ 1. Asumir el prompt de superusuario

```
(ari⊕ kali2023)-[~]

$ sudo mkdir example

[sudo] password for ari:
```

2. Cambiar el password de superusuario

```
(ari® kali2023)-[~]

$ passwd
Changing password for ari.
Current password:
New password:
Retype new password:
You must choose a longer password.
New password:
Retype new password:
You must choose a longer password.
New password:
Retype new password:
Retype new password:
passwd: password updated successfully
```

3. Listar el directorio raíz

```
(ari⊕ kali2023)-[~]

$\frac{1}{5} \left|_{5} / \text{bin home} \text{lib32} \text{media root sys vmlinuz boot initrd.img lib64} \text{mnt run tmp dev initrd.img.old libx32} \text{opt sbin usr etc lib} \text{lost+found proc srv var}
```

4. Cambiarse al directorio raíz

```
____(ari⊛ kali2023)-[~]
__$ cd /
```

5. Verificar el directorio actual

```
(ari@ kali2023)-[/]

$ pwd

/
```

6. Crear un directorio "prueba" en /home

```
(ari⊛ kali2023)-[/]

$\sudo mkdir /home/prueba
```

7. Crear un archivo "test" en directorio /home/prueba

```
(ari⊛ kali2023)-[/]

$\frac{\sudo}{\sudo} \text{touch /home/prueba/test}
```

8. Verificar el usuario actual

```
(ari⊛ kali2023)-[~]
$ whoami
ari
```

9. Mostra el contenido del archivo /root/.bash\_history

```
(ari kali2023)-[~]

sudo cat /root/.bash_history
cat: /root/.bash_history: No such file or directory
```

10. Copiar el archivo "test" a /root

```
(ari% kali2023)-[~]
$\frac{\sudo}{\sudo} \text{cp-r /home/prueba/test /root/}
```

11. Eliminar el archivo "test" de /home/prueba

```
(ari® kali2023)-[~]

$ sudo rm -r /home/prueba/test
```

12. Mover /root/test a la raíz

```
(ari⊗kali2023)-[~]
$ sudo mv /root/test /test
```

## 13. Hacer un ping a www.google.com

```
-(ari⊕ kali2023)-[~]
s ping www.google.com
PING www.google.com (142.250.189.132) 56(84) bytes of data.
64 bytes from mia09s26-in-f4.1e100.net (142.250.189.132): icmp_seq=1 ttl=116
time=24.0 ms
64 bytes from mia09s26-in-f4.1e100.net (142.250.189.132): icmp_seq=2 ttl=116
time=22.6 ms
64 bytes from mia09s26-in-f4.1e100.net (142.250.189.132): icmp_seq=3 ttl=116
time=22.7 ms
64 bytes from mia09s26-in-f4.1e100.net (142.250.189.132): icmp_seq=4 ttl=116
time=22.2 ms
64 bytes from mia09s26-in-f4.1e100.net (142.250.189.132): icmp_seq=5 ttl=116
time=22.3 ms
°C
   www.google.com ping statistics
5 packets transmitted, 5 received, 0% packet loss, time 4008ms
rtt min/avg/max/mdev = 22.152/22.764/24.017/0.658 ms
```

## 14. Mostrar la configuración de red del servidor

```
(ari⊕ kali2023)-[~]
 ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
       inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
       inet6 fe80::a00:27ff:fefe:e953 prefixlen 64 scopeid 0×20<link>
       ether 08:00:27:fe:e9:53 txqueuelen 1000 (Ethernet)
       RX packets 14 bytes 2106 (2.0 KiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 40 bytes 4484 (4.3 KiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
       inet 127.0.0.1 netmask 255.0.0.0
       inet6 :: 1 prefixlen 128 scopeid 0×10<host>
       loop txqueuelen 1000 (Local Loopback)
       RX packets 4 bytes 240 (240.0 B)
       RX errors 0 dropped 0 overruns 0
       TX packets 4 bytes 240 (240.0 B)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

#### Usar el comando netstat

```
(ari⊕ kali2023)-[~] ever you become the more you are able to hear specific specific
```

# 16. Usar el comando top

```
(ari® kali2023)-[~]
top - 19:29:59 up 22 min, 1 user, load average: 0.08, 0.23, 0.30
Tasks: 143 total, 1 running, 142 sleeping, 0 stopped, 0 zombie
%Cpu(s): 6.4 us, 0.8 sy, 0.0 ni, 92.8 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0
MiB Mem : 1967.3 total,
                              1034.0 free, 658.7 used, 424.9 buff/cache
MiB Swap:
              975.0 total,
                               975.0 free,
                                                  0.0 used.
                                                               1308.7 avail Mem
    PID USER
                   PR NI
                             VIRT
                                       RES
                                             SHR S %CPU %MEM
                                                                       TIME+
                                     94332
                                             55992 S
                            369148
    665 root
                                                        2.3
                   20 0 218320
   1057 ari
                                             2816 S
                                                                     0:08.52
                                     3200
                                                       0.7
                                                              0.2
                 20 0 274924 30328
20 0 238296 10080
   1173 ari
                                            19456 S
                                                       0.7
                                                              1.5
                                                                     0:07.21
   1105 ari
                                           7296 S
                                                        0.3
                                                             0.5
                                                                     0:00.16
                 20 0 724188 97768 77248 S
20 0 482260 54832 36672 S
20 0 432288 28100 20804 S
                                                       0.3
                                                                     0:06.47
                                                             2.7
1.4
   1169 ari
                                                       0.3
                                                                     0:02.83
   1176 ari
                                                       0.3
                                                                     0:04.48
                 20 0 20932 12536 9336 S
                                                             0.6
                                                                     0:02.97
      1 root
                                                       0.0
                             0 0 0 0 0 0 0
                  20 0
                                              0 S
      2 root
                                                       0.0 0.0
                  0 -20
                                                                    0:00.00
                                               0 I
                                                       0.0 0.0
      3 root
                  0 -20
                                              0 I
                                                       0.0
                                                             0.0
                                                                     0:00.00
      4 root
      5 root
                    0 -20
                                         0
                                                 0 I
                                                        0.0
                                                              0.0
                    0 -20
                                                 0 I
                                                                     0:00.00
      6 root
                                                        0.0
                                                              0.0
                                       0
      9 root
                   20 0
                                                 0 I
                                                       0.0
                                                             0.0
                                                                     0:07.07
     10 root
                   0 -20
                                        0
                                                 0 I
                                                       0.0
                                                             0.0
                                                                     0:00.00
                   20 0
20 0
20 0
     11 root
                                         0
                                                 0 I
                                                       0.0
                                                              0.0
                                                                     0:00.00
     12 root
                                 0
                                         0
                                                 0 I
                                                       0.0
                                                              0.0
                                                                     0:00.00
     13 root
                                  0
                                                 0 I
                                                        0.0
                                                              0.0
                                                                     0:00.00
```

### 17. Usar el comando traceroute

```
(ari@kali2023)-[~]
$ traceroute www.google.com
traceroute to www.google.com (142.250.189.132), 30 hops max, 60 byte packets
1 10.0.2.2 (10.0.2.2) 0.766 ms 0.733 ms 0.662 ms
2 10.0.2.2 (10.0.2.2) 70.935 ms 72.561 ms 66.322 ms
```

## 18. Usar el comando nslookup

```
(ari® kali2023)-[~]
$ nslookup www.google.com
Server: 192.168.100.1
Address: 192.168.100.1#53

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