1. Display the current working directory.

```
(kali⊗ kali)-[~]
$ pwe
Command 'pwe' not found, did you mean:
   command 'wpe' from deb xwpe
   command 'we' from deb xwpe
   command 'pwm' from deb python3-passwordmeter
   command 'xwe' from deb xwpe
   command 'pee' from deb moreutils
   command 'pwd' from deb coreutils
Try: sudo apt install <deb name>

   (kali⊗ kali)-[~]
```

2. List all the contents of your current directory, including hidden files.

```
-(kali⊛kali)-[~]
                   estfile.txt
                                  .profile
                   .face.icon
backup_testfile.txt .face
                                  Public
.bash_logout
                                  .sudo_as_admin_successful
.bashrc
                                  Templates
.bashrc.original
                   .ICEauthority Videos
                                  .Xauthority
                                  .xsession-errors
                                  .zsh_history
.dmrc
                   newfile.txt
                                  .zshrc
```

3. Change your directory to the 'Desktop'.

4. Create two directories named 'dir1' and 'dir2' on the Desktop.

5. Inside `dir1`, create a file named `file1.txt`.

5. Inside 'dir1', create a file named 'file1.txt'.

```
---(kali@ kali)-[~/Desktop]
--$ mkdir dir1 dir2
nkdir: cannot create directory 'dir2': File exists
----(kali@ kali)-[~/Desktop]
--$ touch ~dir1/fawaz.txt
couch: cannot touch '~dir1/fawaz.txt': No such file or directory
```

7. Using nano or vim Write the numbers 1 to 9 into `file1.txt`.

```
(kali® kali)-[~/Desktop]
$ nano ddd2/fawaz
```

8. From the home directory Copy the contents of `file1.txt` into `file2.txt`.

```
(kali@ kali)-[~/Desktop]
$ cat ddd2/fawaz.txt
```

```
1
2
3
4
5
6
7
8
```

9. From the home directory, delete 'file1.txt' inside 'dir1'.

```
--(kali@kali)-[~/Desktop]
-$ rm ddd2/fawaz.txt

--(kali@kali)-[~/Desktop]
-$ ls
li ali.txt bush.sh ddd2 dir1 fawaz.der ifconfig.txt network_info.txt passwwrd

--(kali@kali)-[~/Desktop]
-$ cd ddd2

--(kali@kali)-[~/Desktop/ddd2]
--$ ls
awaz
```

10. Remove the directory 'dir1' from the Desktop.

```
(kali@ kali)-[~/Desktop]
$ rmdir ddd2

(kali@ kali)-[~/Desktop]
$ ls
ali ali.txt bush.sh dir1 fawaz.der ifconfig.txt network_info.txt passwwrd quiz02.sh x y

(kali@ kali)-[~/Desktop]
$ rmdir dir1

(kali@ kali)-[~/Desktop]
$ ls
ali ali.txt bush.sh fawaz.der ifconfig.txt network info.txt passwwrd quiz02.sh x y
```

11. Redirect the output of the network configuration command to a file named `network\_info.txt` on the Desktop.

```
(kali@kali)-[~]
$ ifconfing > ~/Desktop/network_info.txt
Command 'ifconfing' not found, did you mean:
   command 'ifconfig' from deb net-tools
Try: sudo apt install <deb name>
```

12. Open the Desktop folder and show all files with detailed information.

```
(kali® kali)-[~/Desktop]

total 36

-rw-r--- 1 kali kali 29 Aug 8 12:08 ali
drwxr-xr-x 2 kali kali 4096 Aug 29 03:28 ali.txt

-rw-r--- 1 kali kali 55 Aug 29 03:46 bush.sh

-rw-r--- 1 kali kali 940 Sep 19 04:49 fawaz.der

-rw-r--- 1 kali kali 0 Sep 10 12:06 ifconfig.txt

-rw-r--- 1 kali kali 889 Sep 12 04:08 network_info.txt

drwxr-xr-x 2 kali kali 4096 Sep 19 03:35 passwwrd

-r-xr-xr-x 1 kali kali 3846 Aug 27 10:28 quiz02.sh

-rw-r---- 1 kali kali 34 Sep 10 11:58 y
```

13. Create a new user with your name.

```
$ sudo passwd kali

New password:

Retype new password:

passwd: password updated successfully
```

15. Open the file that contains user information and verify that your user has been added.

```
$ cat /etc/passwd | grep kali
kali:x:1000:1000:,,,:/home/kali:/usr/bin/zsh
```

16. Add your user to the file that gives administrative privileges.

22. Check if your user still have administrative privileges.

23. Check which groups your user belongs to.

```
$ groups fawaz
fawaz : fawaz sudo
```

33. Install a system monitor tool that provides an interactive process viewer(htop).

```
(sir⊗kali)-[~]
$\sudo apt install htop
htop is already the newest version (3.3.0-4).
Summary:
Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 425
```

34. Display all running processes.

```
0[|
                                    1.9%] Tasks: 84, 198 thr, 78 kthr; 1 running
   1[||
                                    7.0%] Load average: 0.37 0.24 0.14
   2[
                                    0.6%] Uptime: 01:06:54
                              666M/5.80G
 Mem[||||||||
                                 ØK/976M]
 Swp
 Main I/O
                  PRI
                      NI VIRT
                                 RES SHR S CPU%⊽MEM% TIME+ Command
   PID USER
 33605 sir
                           8580
                                       3200 R
                                                3.2 0.1
                   20
                        0
                                 4352
                                                         0:00.19 htop
   863 root
                   20
                           428M
                                 126M 56432 S
                                                2.6
                                                    2.1
                                                         0:40.07 /usr/lib/xorg/Xorg
  1129 sir
                                3204 2944 5
                                                         0:00.46 /usr/bin/VBoxClien
                   20
                                                0.6 0.1
                                                         0:14.52 xfwm4 --display :0
  1164 sir
                           579M 93824 73592 S
                                                0.6 1.5
                   20
                   20
                           289M 56552 19328 S
                                                0.6 0.9
                                                         0:11.90 /usr/lib/x86_64-li
  1221 sir
                       0 332M 29864 20724 S
                                                0.6 0.5
                                                         0:18.21 /usr/lib/x86_64-li
  1223 sir
  1266 sir
                   20
                          449M 42124 31780 S
                                                0.6 0.7
                                                         0:00.64 /usr/lib/x86_64-li
                                     84676 5
 33494 sir
                   20
                          461M 99888
                                                0.6
                                                         0:00.37 /usr/bin/qterminal
                                                    1.6
                       0 22600 13132 9804 S
                                                         0:01.34 /sbin/init splash
    1 root
                   20
                                                    0.2
   360 root
                   20
                       0 51416 16624 15360 S
                                                0.0 0.3
                                                         0:00.29 /usr/lib/systemd/s
                                      4952 S
                       0 29336
                                7768
                                                         0:00.17 /usr/lib/systemd/s
   402 root
                                                0.0 0.1
                       0 8276
                                 7456
                                       1664 5
   458 root
                   20
                                                0.0 0.1
                                                         0:00.30 /usr/sbin/haveged
                   20
                                 9272
                                       6600 5
                                                0.0 0.2 0:00.06 /usr/libexec/accou
   580 root
                   20
                           7048
                                 2560
                                       2304 5
                                                         0:00.01 /usr/sbin/cron -f
                        0 10740
                                                         0:02.15 /usr/bin/dbus-daem
   581 messagebus
                   20
                                 5888
                                       4224 5
                                                    0.1
   583 polkitd
                                 9992
                                                0.0 0.2
                                                         0:00.20 /usr/lib/polkit-1/
                   20
                                       7476 5
                                       7680 5
                                                         0:00.11 /usr/lib/systemd/s
   584 root
                   20
                       0 19052
                                 8704
                                                0.0 0.1
   605 root
                   20
                                 9272
                                       6600 5
                                                0.0 0.2
                                                         0:00.00 /usr/libexec/accou
                                       6600 5
                                                         0:00.00 /usr/libexec/accou
   606 root
                   20
                                9272
                                                0.0 0.2
   620 root
                   20
                                9272
                                       6600 5
                                                    0.2
                                                         0:00.01 /usr/libexec/accou
   628 root
                   20
                           328M 23144 18276 S
                                                    0.4
                                                         0:00.13 /usr/sbin/NetworkM
   636 polkitd
                                9992
                                       7476 5
                                                         0:00.00 /usr/lib/polkit-1/
                   20
                                                    0.2
   637 polkitd
                       0 375M 9992
                                      7476 5
                                               0.0 0.2 0:00.00 /usr/lib/polkit-1/
                   20
F1Help F2Setup F3SearchF4FilterF5Tree F6SortByF7Nice -F8Nice +F9Kill F10Quit
```

35. Display a tree of all running processes.

36. Open the interactive process viewer and identify a process by its PID.

37. Kill a process with a specific PID.

```
| top - 12:14:57 up 1:32, 1 user, load average: 0.07, 0.18, Tasks: 173 total, 1 running, 167 sleeping, 5 stopped, 0 (%Cpu(s): 0.7 us, 1.1 sy, 0.1 ni, 98.1 id, 0.0 wa, 0.0 hi mis Swap: 976.0 total, 4301.7 free, 957.6 used, 92 (mis Swap: 976.0 total, 4301.7 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0 total, 976.0 free, 0.0 used 498 (mis Swap: 976.0
```

38. Start an application and stop it using a command that kills processes by name(exeyes).

```
(sir⊗ kali)-[~]

$ xeyes 8

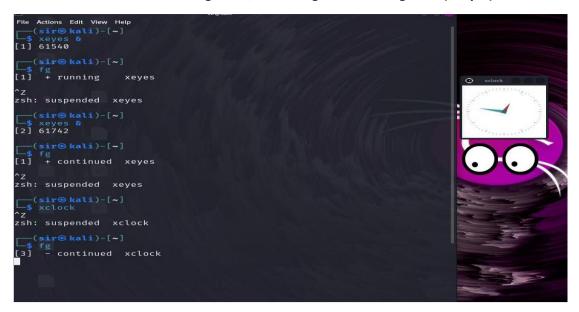
[3] 55331

(sir⊗ kali)-[~]

$ kill 55331

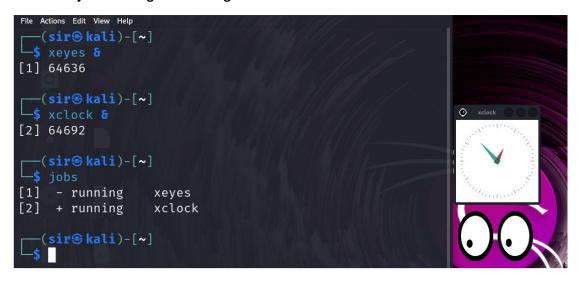
[3] terminated xeyes
```

40. Run a command in the background, then bring it to the foreground(exeyes).



41. Check how long the system has been running.

42. List all jobs running in the background.



43. Display the network configuration.

```
-(sir⊛kali)-[~]
_s 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:fe72:27cb prefixlen 64 scopeid 0×20<link>
       ether 08:00:27:72:27:cb txqueuelen 1000 (Ethernet)
       RX packets 9030 bytes 12446654 (11.8 MiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 5988 bytes 398325 (388.9 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 9 bytes 578 (578.0 B)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 9 bytes 578 (578.0 B)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
 —(sir⊛kali)-[~]
-$ |
```

```
ip addr show

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group def ault qlen 1000

link/loopback 00:00:00:00:00 brd 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: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP g roup default qlen 1000

link/ether 08:00:27:72:27:cb brd ff:ff:ff:ff:
inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute eth0

valid_lft 80235sec preferred_lft 80235sec
inet6 fe80::a00:27ff:fe72:27cb/64 scope link noprefixroute

valid_lft forever preferred_lft forever
```

# 45. Test connectivity to an external server.

```
PING example.com
PING example.com (93.184.215.14) 56(84) bytes of data.
64 bytes from 93.184.215.14: icmp_seq=1 ttl=53 time=808 ms
64 bytes from 93.184.215.14: icmp_seq=2 ttl=53 time=301 ms
64 bytes from 93.184.215.14: icmp_seq=3 ttl=53 time=210 ms
64 bytes from 93.184.215.14: icmp_seq=4 ttl=53 time=233 ms
64 bytes from 93.184.215.14: icmp_seq=5 ttl=53 time=253 ms
64 bytes from 93.184.215.14: icmp_seq=6 ttl=53 time=302 ms
64 bytes from 93.184.215.14: icmp_seq=7 ttl=53 time=277 ms
64 bytes from 93.184.215.14: icmp_seq=8 ttl=53 time=195 ms
64 bytes from 93.184.215.14: icmp_seq=10 ttl=53 time=248 ms
64 bytes from 93.184.215.14: icmp_seq=11 ttl=53 time=284 ms
64 bytes from 93.184.215.14: icmp_seq=11 ttl=53 time=284 ms
66 bytes from 93.184.215.14: icmp_seq=11 ttl=53 time=295 ms
```

46. Display the routing table.

```
default via 10.0.2.2 dev eth0 proto dhcp src 10.0.2.15 metric 100
10.0.2.0/24 dev eth0 proto kernel scope link src 10.0.2.15 metric 100
```

47. Check the open ports and active connections.

```
(sir@kali)=[~]
    netstat -tuln
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address Foreign Address State

(sir@kali)=[~]
    ss -tuln
Netid State Recv-Q Send-Q Local Address:Port Peer Address:Port
```

48. Show the IP address of the host machine and the VM, and verify if they are on the same network.

```
(sir@kali)-[~]
$ hostname -I
10.0.2.15

(sir@kali)-[~]

(sir@kali)-[~]

$ pinging 10.0.2.15 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 10.0.2.15:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

49. Trace the route to an external server.

```
(sir⊗kali)-[~]

$ traceroute 10.0.2.1 (10.0.2.1), 30 hops max, 60 byte packets

1 10.0.2.15 (10.0.2.15) 3069.837 ms !H 3069.779 ms !H 3069.724 ms !H

(sir⊗kali)-[~]

$ traceroute example.com

traceroute to example.com (93.184.215.14), 30 hops max, 60 byte packets

1 10.0.2.2 (10.0.2.2) 0.988 ms 0.934 ms 0.887 ms

2 10.0.2.2 (10.0.2.2) 17.897 ms 17.812 ms 17.888 ms
```

### 50. Find out the default gateway.

```
-(sir@kali)-[~]
s ip route | grep default
      via 10.0.2.2 dev eth0 proto dhcp src 10.0.2.15 metric 100
 —(sir⊕kali)-[~]
s route -n
Kernel IP routing table
                                            Flags Metric Ref
            Gateway
Destination
                             Genmask
                                                               Use Iface
0.0.0.0
              10.0.2.2
                             0.0.0.0
                                            UG
                                                  100 0
                                                               0 eth0
                             255.255.255.0 U
                                                                 0 eth0
10.0.2.0
              0.0.0.0
                                                        0
__(sir⊛kali)-[~]
```

## 51. Check the MAC address of your network interface.

```
ip link show

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT group default qlen 1000 link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000 link/ether 08:00:27:72:27:cb brd ff:ff:ff:ff:ff
```

### 52. Ensure that the VM can access external networks.

```
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

64 bytes from 8.8.8.8: icmp_seq=1 ttl=113 time=116 ms

64 bytes from 8.8.8.8: icmp_seq=2 ttl=113 time=116 ms

64 bytes from 8.8.8.8: icmp_seq=3 ttl=113 time=116 ms

64 bytes from 8.8.8.8: icmp_seq=4 ttl=113 time=117 ms

64 bytes from 8.8.8.8: icmp_seq=5 ttl=113 time=117 ms

64 bytes from 8.8.8.8: icmp_seq=6 ttl=113 time=118 ms

64 bytes from 8.8.8.8: icmp_seq=7 ttl=113 time=117 ms

64 bytes from 8.8.8.8: icmp_seq=8 ttl=113 time=116 ms

64 bytes from 8.8.8.8: icmp_seq=9 ttl=113 time=117 ms

64 bytes from 8.8.8.8: icmp_seq=10 ttl=113 time=117 ms

64 bytes from 8.8.8.8: icmp_seq=10 ttl=113 time=116 ms

64 bytes from 8.8.8.8: icmp_seq=11 ttl=113 time=116 ms

64 bytes from 8.8.8.8: icmp_seq=11 ttl=113 time=117 ms
```

### 53. Enable the firewall.

```
ufw --version
ufw 0.36.2
Copyright 2008-2023 Canonical Ltd.

—(sir@kali)-[~]

$ sudo ufw enable
Firewall is active and enabled on system startup

—(sir@kali)-[~]

$ [sir@kali]-[~]
```

54. Allow SSH connections through the firewall.

```
└─$ <u>sudo</u> ufw allow ssh
Rule added
Rule added (v6)
```

55. Deny all incoming traffic by default.

56. Allow HTTP and HTTPS traffic.

```
(sir⊕ kali)-[~]

$ sudo ufw allow http
Rule added
Rule added (v6)

(sir⊕ kali)-[~]

$ sudo ufw allow https
Rule added
Rule added
Rule added (v6)

(sir⊕ kali)-[~]
```

57. Allow port 20.

```
L$ sudo ufw allow 20
Rule added
Rule added (v6)
```

58. Reset the firewall settings.

```
└─$ <u>sudo</u> ufw reset
Resetting all rules to installed defaults. Proceed with
operation (y|n)? ■
```

59. Delete a rule from the firewall.

```
└$ <u>sudo</u> ufw delete 1
```

60. Disable the firewall.

```
—(sir⊕kali)-[~]
—$ <u>sudo</u> ufw disable
```

61. View the status of the firewall.

```
—(sir⊛kali)-[~]
—$ <u>sudo</u> ufw status
```

62. Log firewall activity and view it.

```
—(sir⊛kali)-[~]
—$ <u>sudo</u> ufw logging on
```

63. Delete the command history.

```
└─$ history -c
fc: event not found: -c
```

64. Search for a kali in the `/etc/passwd` file.

```
sprep kali /etc/passwd

(sir@kali)-[~/Desktop]

sprep kali /etc/passwd
```

65. Search for a kali in the '/etc/group' file.

```
(sir⊕ kali)-[~/Desktop]
$ grep kali /etc/group
kali-trusted:x:135:
```

66. Locate the 'passwd' file.

67. Locate the shadow file and open it.

```
sudo cat /etc/shadow
root:!:19882:0:999999:7:::
daemon:*:19882:0:999999:7:::
bin:*:19882:0:999999:7:::
sys:*:19882:0:999999:7:::
```

68. Search for all configuration files in the '/etc' directory.

```
(sir@kali)-[~/Desktop]
$ find /etc -type f -name "*.conf"
/etc/mke2fs.conf
/etc/smartd.conf
/etc/miredo.conf
```

69. Search recursively for a specific word in the '/var/log' directory.

```
/var/log/Xorg.0.log.old:[ 7.181] (=) Log file: "/va
r/log/Xorg.0.log", Time: Sat Aug 31 23:42:38 2024
grep: /var/log/boot.log.4: Permission denied
grep: /var/log/lightdm: Permission denied
grep: /var/log/boot.log.1: Permission denied
grep: /var/log/boot.log.2: Permission denied
grep: /var/log/speech-dispatcher: Permission denied
grep: /var/log/speech-dispatcher: Permission denied
grep: /var/log/boot.log: Permission denied
grep: /var/log/boot.log: Permission denied
grep: /var/log/inetsim: Permission denied
/var/log/Xorg.1.log.old:[ 2383.961] (=) Log file: "/var/log/Xorg.1.log.old:[ 2383.961] (=) Log file:[ 23
```

70 ·View the system's kernel version.

```
(sir@kali)-[~/Desktop]
$ uname -r
6.6.15-amd64
```

71. Display the system's memory usage.

```
total
                                                               buff/cache
                                                                              available
                              used
                                            free
                                                       shared
Mem:
                              1.0Gi
                5.8Gi
                                           3.9Gi
                                                        9.4Mi
                                                                     1.2Gi
                                                                                  4.8Gi
                975Mi
                                 0B
                                           975Mi
Swap:
```

72. Show the system's disk usage.

```
└─$ df -h
Filesystem
                 Size
                        Used Avail Use% Mounted on
udev
                 2.9G
                           0
                              2.9G
                                      0% /dev
                 595M
                                      1% /run
tmpfs
                        1.1M
                              594M
/dev/sda1
                  49G
                         15G
                               32G
                                     32% /
tmnfs
                                     0% /dev/shm
                 3.0G
                              3.0G
```

73. Check the system's uptime and load average.

```
uptime
14:54:32 up 4:11, 1 user, load average: 0.00, 0.03, 0.01
```

74. Display the current logged-in users.

```
└─$ who
sir
         tty7
                        2024-09-01 10:43 (:0)
sir
                        2024-09-01 11:28
         pts/1
         pts/3
                        2024-09-01 14:18
sir
sir
         pts/4
                        2024-09-01 14:20
         pts/5
                        2024-09-01 14:22
sir
sir
         pts/6
                        2024-09-01 14:29
sir
         pts/7
                        2024-09-01 14:30
                        2024-09-01 14:31
sir
         pts/8
sir
         pts/9
                        2024-09-01 14:33
                        2024-09-01 14:34
         pts/10
sir
```

75. Check the identity of the current user.

```
(sir⊛ kali)-[~/Desktop]

$ whoami

sir
```

76. View the '/var/log/auth.log' file.

```
(sir@ kali)-[~/Desktop]
$ sudo less /var/log/auth.log
/var/log/auth.log: No such file or directory
```

77. Shred the `auth.log` file securely.

```
<u>sudo</u> shred -u /var/log/auth.log shred: /var/log/auth.log: failed to open for writing: No such file or directory
```

78. How do you lock a user account to prevent them from logging in.

```
<mark>(sir⊛kali</mark>)-[~/Desktop]

$ <u>sudo</u> usermod -L sir
```

79. What command would you use to change a user's default shell.

```
___(sir⊗kali)-[~/Desktop]

$ sudo chsh -s /bin/bash sir
```

80. Display the system's boot messages.

```
اعداد م/فواز علي علي حسين. تحت اشراف الدكتور/عبدالرزاق السماوي
```