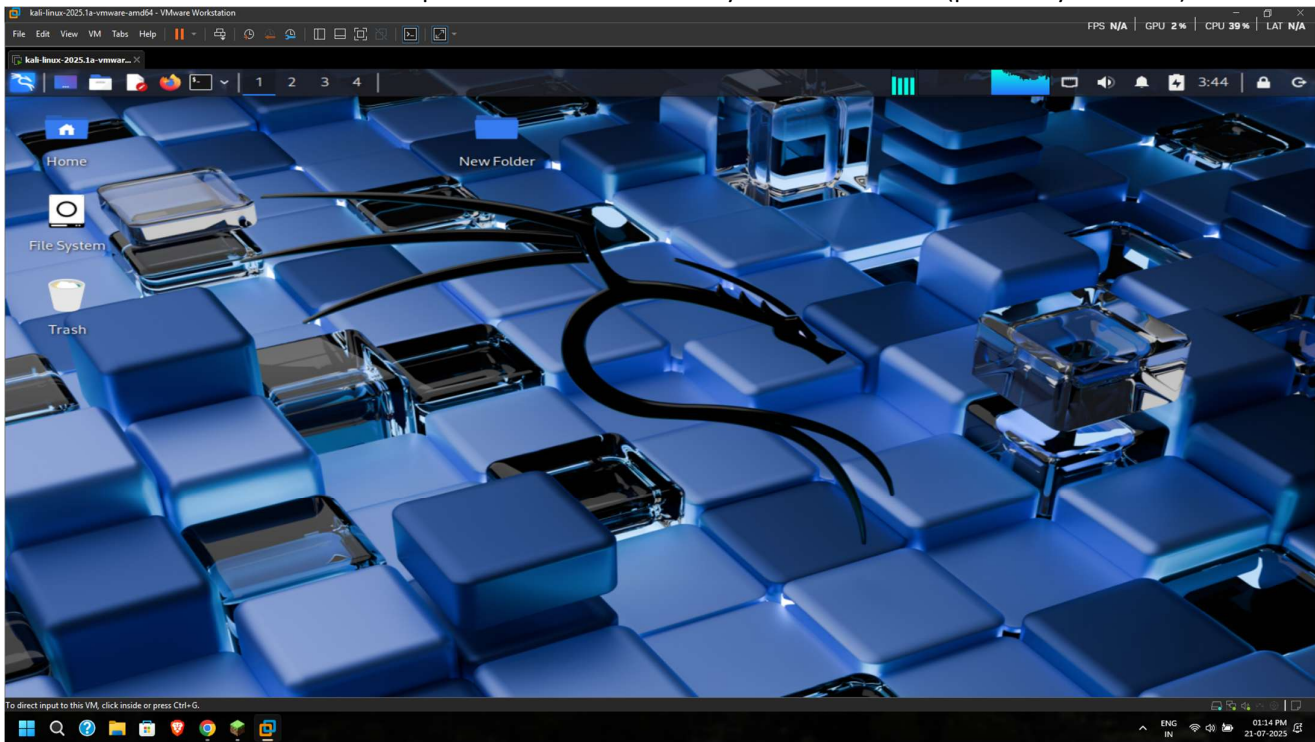
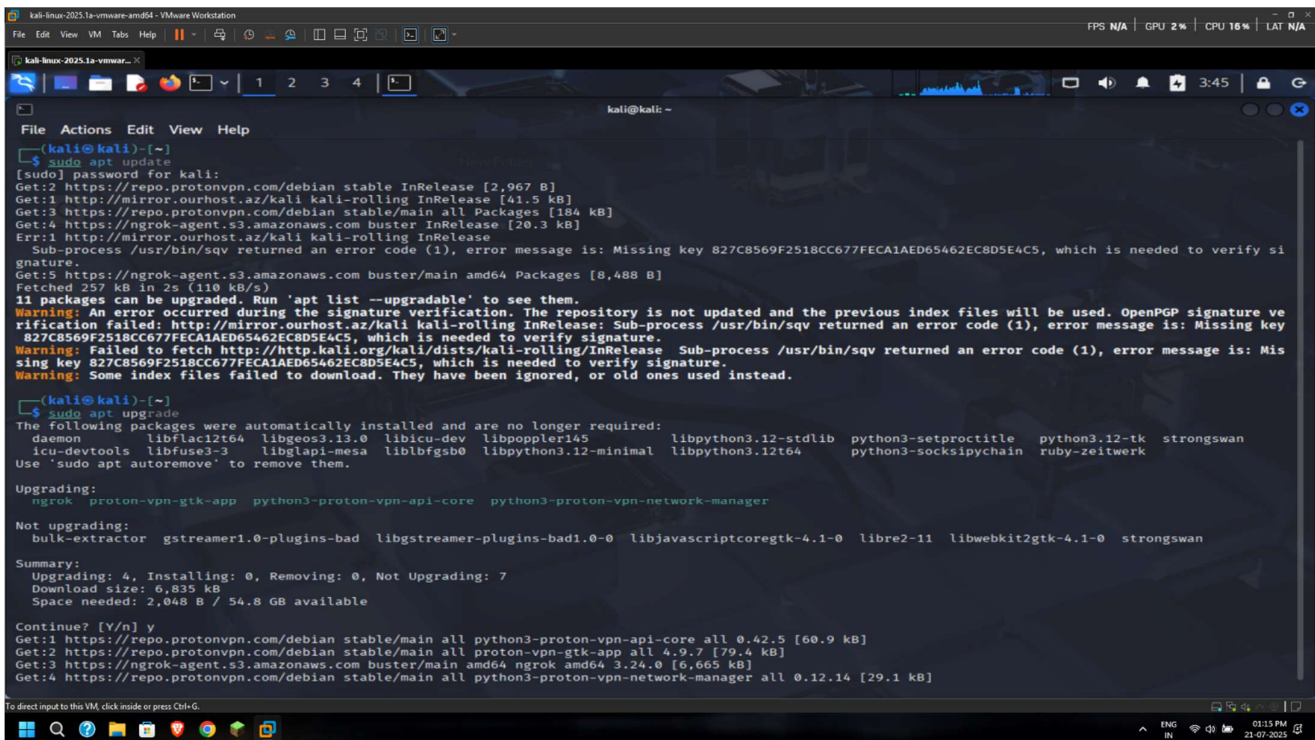


# MODULE 1-4

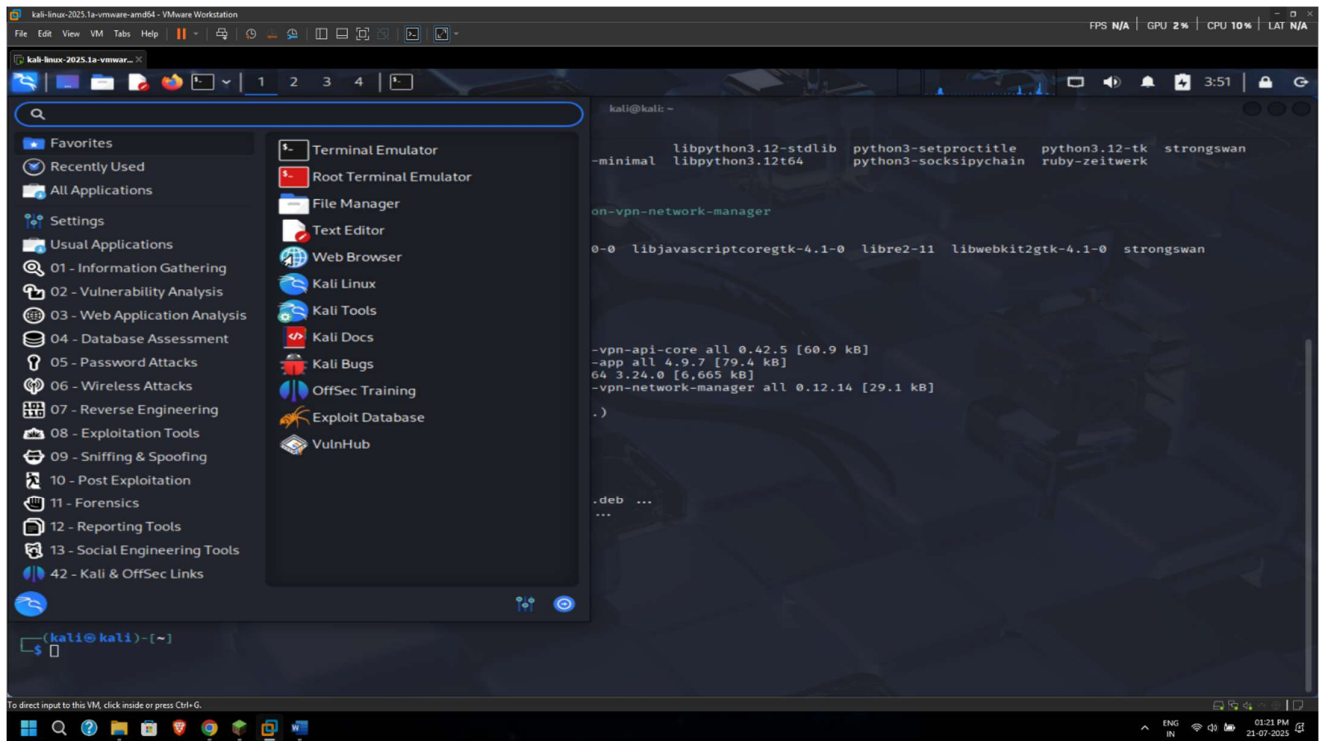
1. Install VirtualBox or VMware. Set up a virtual machine with any Linux distribution (preferably Kali Linux).



2. Install Kali Linux in your virtual machine and update it..

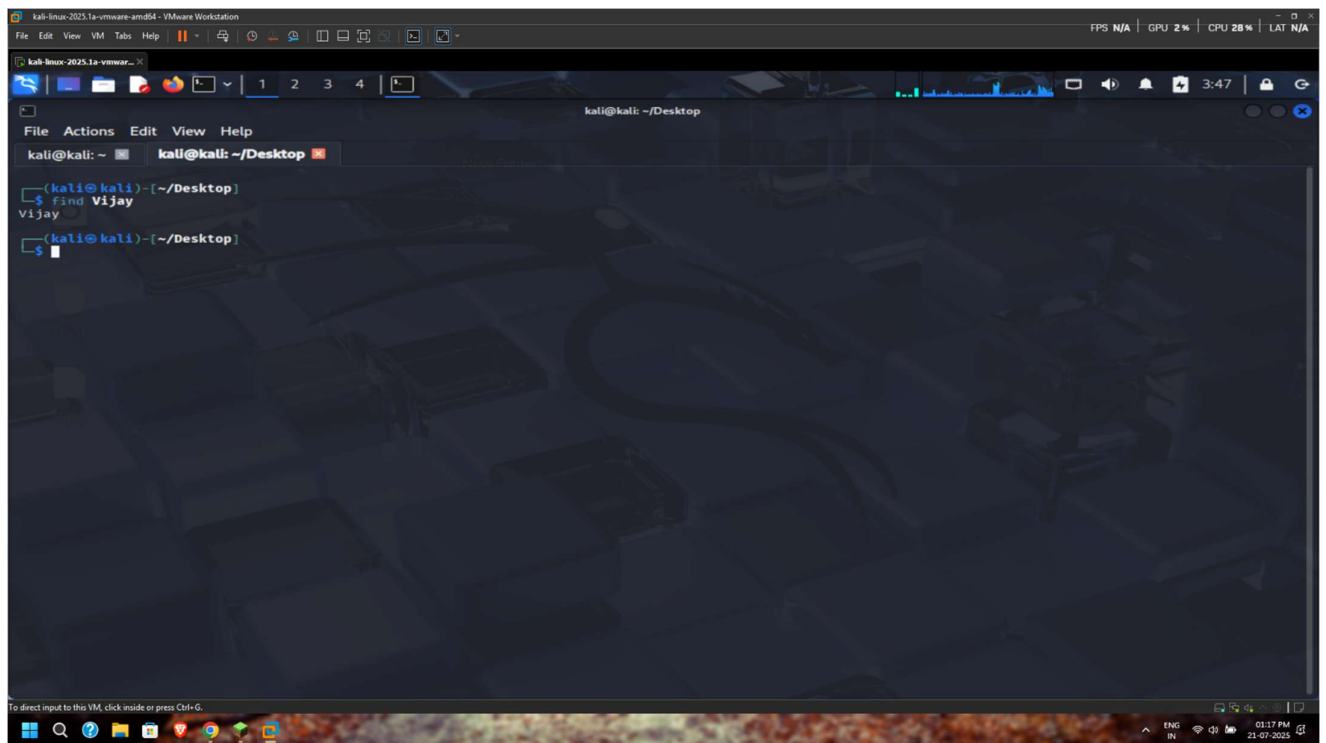


3. Explore the applications menu in Kali Linux. List 5 tools and their purpose.



4. Execute the following Linux commands:

- Find command



- Ping command

The screenshot shows a Kali Linux virtual machine window titled "kali-linux-2025.1a-vmware-...". The terminal window displays the command `ping 8.8.8.8` and its output:

```

kali@kali: ~
$ ping 8.8.8.8
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=128 time=5.64 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=128 time=6.46 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=128 time=5.90 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=128 time=5.42 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=128 time=6.16 ms

```

The background of the terminal window features a dark, abstract, isometric cityscape pattern. The top of the window shows the VMware Workstation interface with various icons and a status bar indicating "FPS N/A", "GPU 2%", "CPU 9%", and "LAT N/A". The bottom of the window shows the Windows taskbar with various application icons and a system clock displaying "11:22 PM" and "21-07-2025".

- Traceroute command

The screenshot shows a Kali Linux virtual machine environment. The terminal window is titled 'kali@kali: ~/Desktop' and displays the following commands and output:

```

kali@kali: ~/Desktop
(kali@kali)~[~/Desktop]
$ tracert 8.8.8.8
tracert to 8.8.8.8 (8.8.8.8), 30 hops max, 60 byte packets
 1  192.168.10.254 (192.168.10.254)  5.290 ms  4.735 ms  4.151 ms
 2  * * *
 3  * * *
 4  * * *
 5  * * *
 6  * * *
 7  * * *
 8  * * *
 9  * * *
10  * * *
11  * * *
12  * * ^C

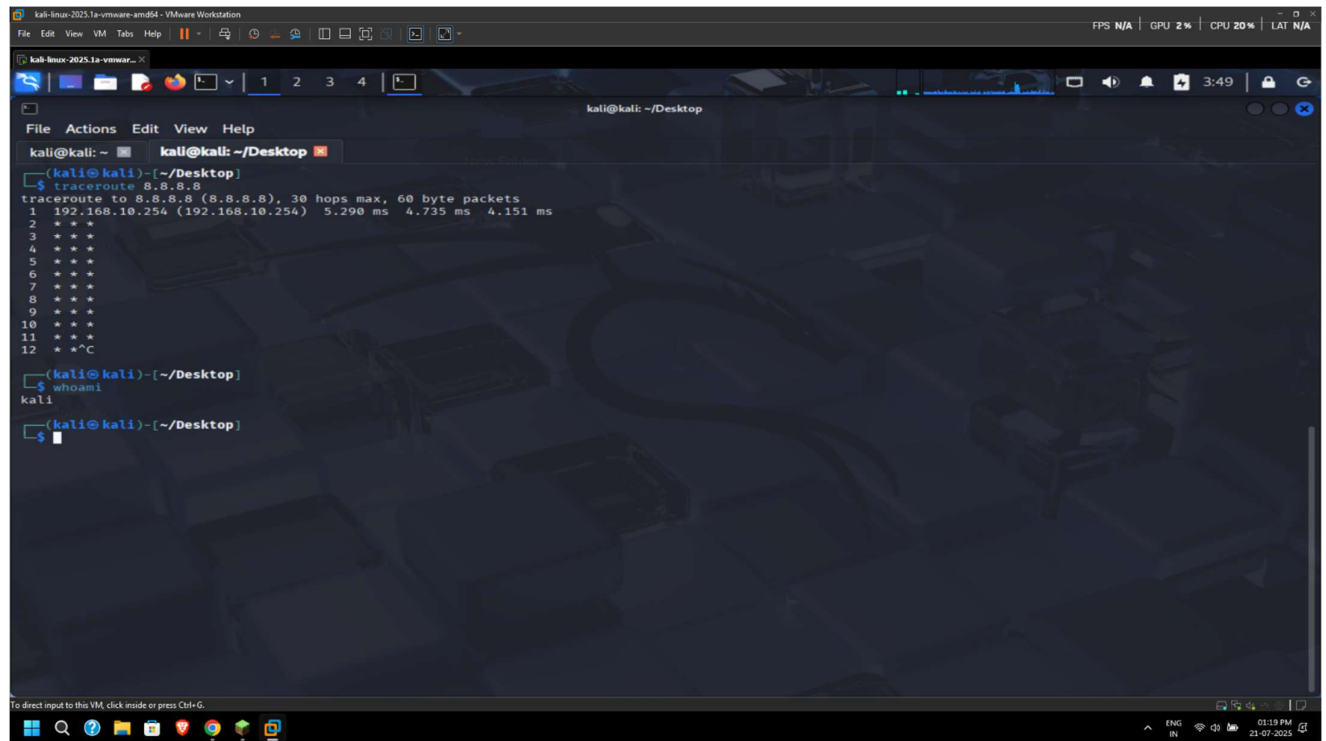
(kali@kali)~[~/Desktop]
$ whoami
kali

(kali@kali)~[~/Desktop]
$

```

The background of the terminal window is a dark, abstract 3D cityscape. The VM window title is 'kali-linux-2025.1a-vmware-...' and the terminal title is 'kali@kali: ~/Desktop'.

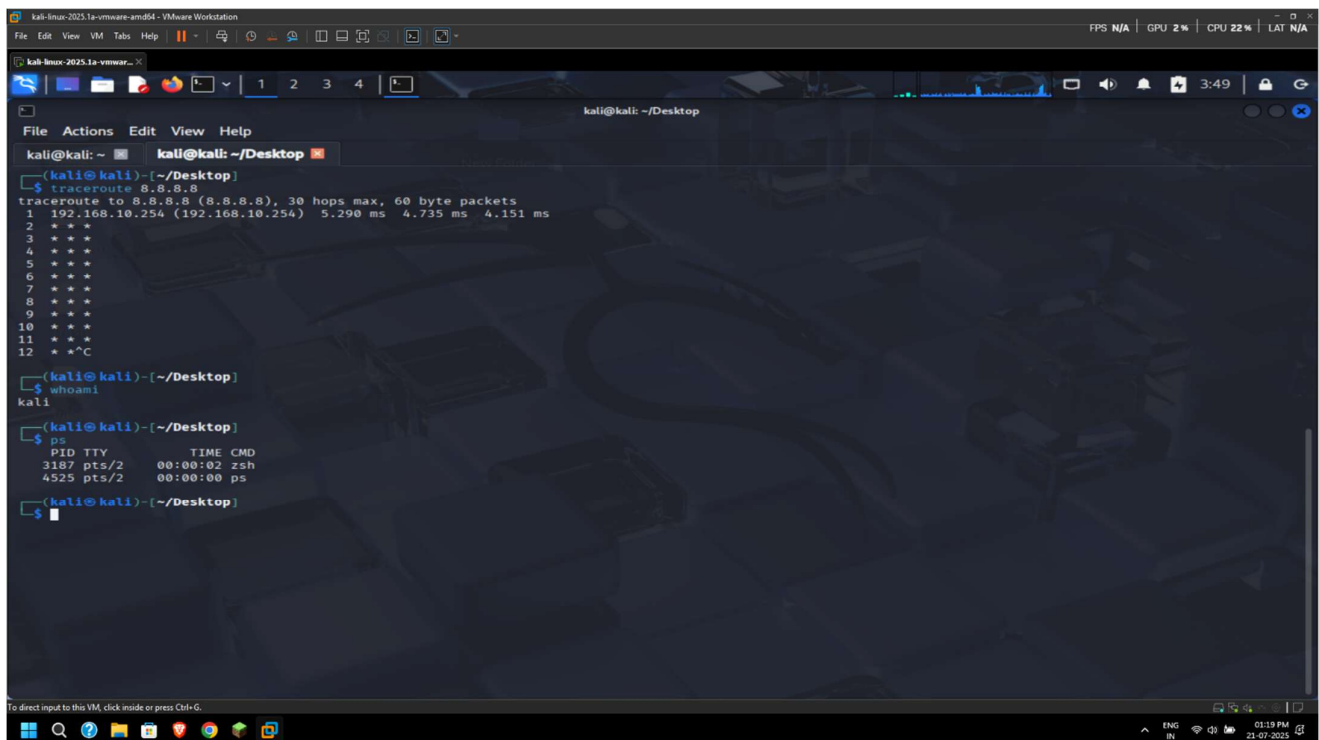
- Whoami command



The screenshot shows a Kali Linux terminal window with a dark background and a cityscape wallpaper. The terminal output is as follows:

```
kali@kali: ~  
kali@kali: ~/Desktop  
$ traceroute 8.8.8.8  
traceroute to 8.8.8.8 (8.8.8.8), 30 hops max, 60 byte packets  
1 192.168.10.254 (192.168.10.254) 5.290 ms 4.735 ms 4.151 ms  
2 * * *  
3 * * *  
4 * * *  
5 * * *  
6 * * *  
7 * * *  
8 * * *  
9 * * *  
10 * * *  
11 * * *  
12 * * ^C  
$ whoami  
kali  
$
```

- Ps command



The screenshot shows a Kali Linux terminal window with a dark background and a cityscape wallpaper. The terminal output is as follows:

```
kali@kali: ~  
kali@kali: ~/Desktop  
$ traceroute 8.8.8.8  
traceroute to 8.8.8.8 (8.8.8.8), 30 hops max, 60 byte packets  
1 192.168.10.254 (192.168.10.254) 5.290 ms 4.735 ms 4.151 ms  
2 * * *  
3 * * *  
4 * * *  
5 * * *  
6 * * *  
7 * * *  
8 * * *  
9 * * *  
10 * * *  
11 * * *  
12 * * ^C  
$ whoami  
kali  
$ ps  
  PID TTY          TIME CMD  
 3187 pts/2    00:00:02 zsh  
 4525 pts/2    00:00:00 ps  
$
```