

TASK 2

Write a script 'netinfo.sh' that:

- Displays IP address, subnet mask, and default gateway.
- Lists open ports using 'ss' or 'netstat'.
- Pings google.com and logs the response.
- Resolves the IP address of 'openai.com'.

Store the output in 'network_report.txt'.

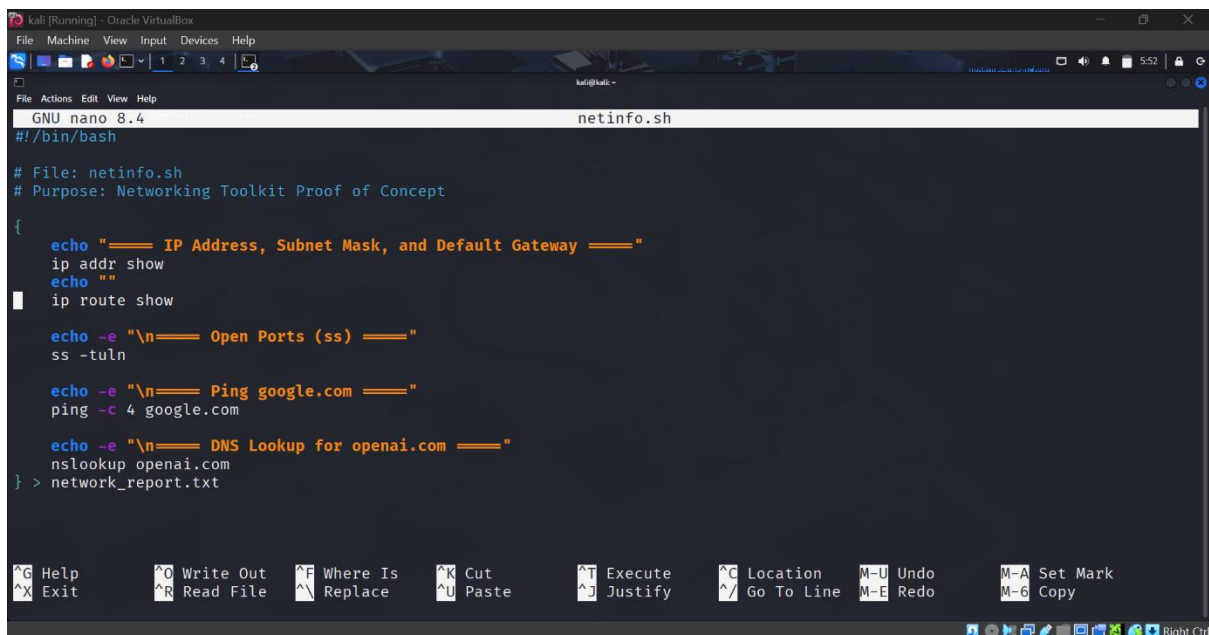
Step 1 :

Create a script called "nano netinfo.sh"



Step 2 :

Paste this code , save and exit.



Step 3 :

Make the script execute

```
(kali@kali)-[~]
$ chmod +x netinfo.sh

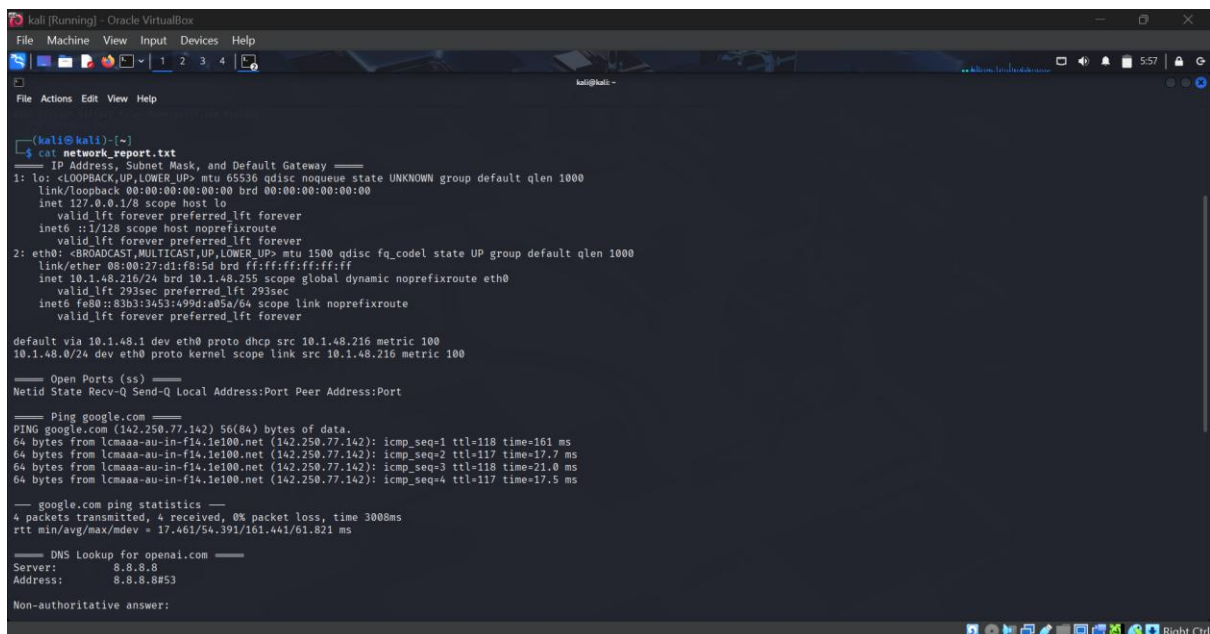
(kali@kali)-[~]
$
```

Step 4 :

Run the script by the command `./netinfo.sh`

Step 5 :

Then use the command `cat _network.report` to get the output.



```
(kali@kali)-[~]
$ cat network_report.txt
===== IP Address, Subnet Mask, and Default Gateway =====
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: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
   link/ether 08:00:27:d1:f8:5d brd ff:ff:ff:ff:ff:ff
   inet 10.1.48.216/24 brd 10.1.48.255 scope global dynamic noprefixroute eth0
       valid_lft 293sec preferred_lft 293sec
   inet6 fe80::83b3:3453:499d:a05a/64 scope link noprefixroute
       valid_lft forever preferred_lft forever

default via 10.1.48.1 dev eth0 proto dhcp src 10.1.48.216 metric 100
10.1.48.0/24 dev eth0 proto kernel scope link src 10.1.48.216 metric 100

===== Open Ports (ss) =====
NetId State Recv-Q Send-Q Local Address:Port Peer Address:Port

===== Ping google.com =====
PING google.com (142.250.77.142) 56(84) bytes of data:
64 bytes from lcaaaa-au-in-f14.1e100.net (142.250.77.142): icmp_seq=1 ttl=118 time=161 ms
64 bytes from lcaaaa-au-in-f14.1e100.net (142.250.77.142): icmp_seq=2 ttl=117 time=17.7 ms
64 bytes from lcaaaa-au-in-f14.1e100.net (142.250.77.142): icmp_seq=3 ttl=118 time=21.0 ms
64 bytes from lcaaaa-au-in-f14.1e100.net (142.250.77.142): icmp_seq=4 ttl=117 time=17.5 ms

===== google.com ping statistics =====
4 packets transmitted, 4 received, 0% packet loss, time 3008ms
rtt min/avg/max/mdev = 17.461/54.391/161.441/61.821 ms

===== DNS Lookup for openai.com =====
Server:      8.8.8.8
Address:     8.8.8.8#53

Non-authoritative answer:
```