

TASK – 1

Port Scanning, TCP SYN Scan, IP ranges, Network Reconnaissance, Open Ports.

To get the IP address of the machine :

Command : ifconfig

OUTPUT :

```
root@kali: /home
File Actions Edit View Help
└─# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.126.226.144 netmask 255.255.255.0 broadcast 10.126.226.255
    inet6 fe80::a00:27ff:fe52:808f prefixlen 64 scopeid 0x20<link>
    inet6 2401:4900:ca8e:be4:26b2:d88d:7d9f:fd2b prefixlen 64 scopeid 0x0<g
lobal>
    inet6 2401:4900:ca8e:be4:a00:27ff:fe52:808f prefixlen 64 scopeid 0x0<gl
obal>
    ether 08:00:27:52:80:8f txqueuelen 1000 (Ethernet)
    RX packets 3185 bytes 4094621 (3.9 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 2003 bytes 167480 (163.5 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 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 152 bytes 7680 (7.5 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 152 bytes 7680 (7.5 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

To get the Open Ports :

Command : nmap 10.126.226.202 -p-

OUTPUT :

```
root@kali: /home
File Actions Edit View Help

(root@kali)-[/home]
# nmap 10.126.226.202 -p-
Starting Nmap 7.95 ( https://nmap.org ) at 2026-02-12 21:21 IST
Nmap scan report for 10.126.226.202
Host is up (0.00035s latency).
Not shown: 65505 closed tcp ports (reset)
PORT      STATE SERVICE
21/tcp    open  ftp
22/tcp    open  ssh
23/tcp    open  telnet
25/tcp    open  smtp
53/tcp    open  domain
80/tcp    open  http
111/tcp   open  rpcbind
139/tcp   open  netbios-ssn
445/tcp   open  microsoft-ds
512/tcp   open  exec
513/tcp   open  login
514/tcp   open  shell
1099/tcp  open  rmiregistry
1524/tcp  open  ingreslock
2049/tcp  open  nfs
2121/tcp  open  ccproxy-ftp
3306/tcp  open  mysql
3632/tcp  open  distccd
5432/tcp  open  postgresql
5900/tcp  open  vnc
6000/tcp  open  X11
6667/tcp  open  irc
6697/tcp  open  ircs-u
8009/tcp  open  ajp13
8180/tcp  open  unknown
8787/tcp  open  msgsrvr
41191/tcp open  unknown
48963/tcp open  unknown
49398/tcp open  unknown
57314/tcp open  unknown
MAC Address: 08:00:27:CE:91:3C (PCS Systemtechnik/Oracle VirtualBox virtual NIC)

Nmap done: 1 IP address (1 host up) scanned in 4.72 seconds

(root@kali)-[/home]
#
```