

CSS LAB 5 –

NAME – HARSH LOYA CLASS – D12A ROLL NO – 36 BRANCH – CMPN

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student@student-ThinkCentre-M70t: ~
Usage: whois [OPTION]... OBJECT...

-h HOST, --host HOST    connect to server HOST
-p PORT, --port PORT    connect to PORT
-i                       query whois.iana.org and follow its referral
-H                       hide legal disclaimers
--verbose               explain what is being done
--help                  display this help and exit
--version                output version information and exit

These flags are supported by whois.ripe.net and some RIPE-like servers:
-l                       find the one level less specific match
-L                       find all levels less specific matches
-m                       find all one level more specific matches
-M                       find all levels of more specific matches
-c                       find the smallest match containing a mnt-irt attribute
-x                       exact match
-b                       return brief IP address ranges with abuse contact
-B                       turn off object filtering (show email addresses)
-G                       turn off grouping of associated objects
-d                       return DNS reverse delegation objects too
-i ATTR[,ATTR]...       do an inverse look-up for specified ATTRibutes
-T TYPE[,TYPE]...       only look for objects of TYPE
-K                       only primary keys are returned
-r                       turn off recursive look-ups for contact information
-R                       force to show local copy of the domain object even
                        if it contains referral
-a                       also search all the mirrored databases
-s SOURCE[,SOURCE]...   search the database mirrored from SOURCE
-g SOURCE:FIRST-LAST    find updates from SOURCE from serial FIRST to LAST
-t TYPE                  request template for object of TYPE
-v TYPE                  request verbose template for object of TYPE
-q [version|sources|types] query specified server info
student@student-ThinkCentre-M70t:~$ traceroute
Usage:
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student@student-ThinkCentre-M70t: ~
Usage: traceroute [-46dFIInreAUDV] [-f first_ttl] [-g gate,...] [-i device] [-m max_ttl] [-N squeries] [-p port] [-t tos] [-l flow_label] [-w MAX,HERE,NEAR] [-q nqueries] [-s src_addr] [-z sendwait] [--fwmark=num] host [packetlen]
Options:
-4                       Use IPv4
-6                       Use IPv6
-d --debug               Enable socket level debugging
-F --dont-fragment       Do not fragment packets
-f first_ttl --first=first_ttl
                        Start from the first_ttl hop (instead from 1)
-g gate,... --gateway=gate,...
                        Route packets through the specified gateway
                        (maximum 8 for IPv4 and 127 for IPv6)
-I --icmp                Use ICMP ECHO for tracerouting
-T --tcp                 Use TCP SYN for tracerouting (default port is 80)
-i device --interface=device
                        Specify a network interface to operate with
-m max_ttl --max-hops=max_ttl
                        Set the max number of hops (max TTL to be
                        reached). Default is 30
-N squeries --sim-queries=squeries
                        Set the number of probes to be tried
                        simultaneously (default is 16)
-n                       Do not resolve IP addresses to their domain names
-p port --port=port      Set the destination port to use. It is either
                        initial udp port value for "default" method
                        (incremented by each probe, default is 33434), or
                        initial seq for "icmp" (incremented as well,
                        default from 1), or some constant destination
                        port for other methods (with default of 80 for
                        "tcp", 53 for "udp", etc.)
-t tos --tos=tos         Set the TOS (IPv4 type of service) or TC (IPv6
                        traffic class) value for outgoing packets
-l flow_label --flowlabel=flow_label
                        Use specified flow_label for IPv6 packets
-w MAX,HERE,NEAR --wait=MAX,HERE,NEAR
                        Wait for a probe no more than HERE (default 3)
```

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student@student-ThinkCentre-M70t: ~
root@student-ThinkCentre-M70t: /home/student

Do you want to continue? [Y/n] Y
Err:1 http://security.ubuntu.com/ubuntu focal-security/main amd64 linux-libc-dev amd64 5.4.0-122.138
404 Not Found [IP: 185.125.190.36 80]
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc6-dbg amd64 2.31-0ubuntu9.9 [20.0 MB]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc6 amd64 2.31-0ubuntu9.9 [2,722 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc-dev-bin amd64 2.31-0ubuntu9.9 [71.8 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libcrypt-dev amd64 1:4.4.10-10ubuntu4 [104 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc6-dev amd64 2.31-0ubuntu9.9 [2,519 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libncurses-dev amd64 6.2-0ubuntu2 [339 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libreadline-dev amd64 8.0-4 [141 kB]
Get:9 http://in.archive.ubuntu.com/ubuntu focal/main amd64 manpages-dev all 5.05-1 [2,266 kB]
Get:10 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 libpvm3 amd64 3.4.6-2build2 [84.4 kB]
Get:11 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 pvm amd64 3.4.6-2build2 [160 kB]
Get:12 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 pvm-dev amd64 3.4.6-2build2 [278 kB]
Fetched 28.7 MB in 10s (3,011 kB/s)
E: Failed to fetch http://security.ubuntu.com/ubuntu/pool/main/l/linux/linux-libc-dev_5.4.0-122.138_amd64.deb 404 Not Found [IP: 185.125.190.36 80]
E: Unable to fetch some archives, maybe run apt-get update or try with --fix-missing?
student@student-ThinkCentre-M70t:~$ tracer google.com

Command 'tracer' not found, but can be installed with:

sudo apt install pvm-dev

student@student-ThinkCentre-M70t:~$ nslookup
> google.com
Server: 127.0.0.53
Address: 127.0.0.53#53

Non-authoritative answer:
Name: google.com
Address: 216.58.203.46
Name: google.com
Address: 2404:6800:4009:80ff::200e
> student@student-ThinkCentre-M70t:~$ ^C
student@student-ThinkCentre-M70t:~$
```

```
root@student-ThinkCentre-M70t: /home/student
student@student-ThinkCentre-M70t: ~
root@student-ThinkCentre-M70t: /home/student

student@student-ThinkCentre-M70t:~$ sudo su root
[sudo] password for student:
root@student-ThinkCentre-M70t:/home/student# ifconfig
eno2: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.37.8 netmask 255.255.240.0 broadcast 192.168.47.255
    inet6 fe80::ceeb:6eb:5400:c57e prefixlen 64 scopeid 0x20<link>
    ether d8:bb:c1:ee:93:93 txqueuelen 1000 (Ethernet)
    RX packets 1976508 bytes 222048773 (222.0 MB)
    RX errors 0 dropped 4187 overruns 0 frame 0
    TX packets 36760 bytes 11176204 (11.1 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 16 memory 0xa1200000-a1200000

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 5488 bytes 512653 (512.6 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 5488 bytes 512653 (512.6 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlo1: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    ether 0c:9a:3c:cb:dd:2e txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@student-ThinkCentre-M70t:/home/student# apt-get install nmap
Reading package lists... Done
Building dependency tree
Reading state information... Done
nmap is already the newest version (7.80+dfsg1-2build1).
The following packages were automatically installed and are no longer required:
  chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi
```

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Activities Terminal Apr 6 14:58
root@student-ThinkCentre-M70t: /home/student

student@student-ThinkCentre-M70t: ~ root@student-ThinkCentre-M70t: /home/student

Compiled without:
Available nsock engines: epoll poll select
root@student-ThinkCentre-M70t:/home/student# nmap 192.1687.
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:38 IST
Failed to resolve "192.1687.".
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.06 seconds
root@student-ThinkCentre-M70t:/home/student# nmap 192.168.20
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:38 IST
Nmap scan report for 192.168.20 (192.168.0.20)
Host is up (0.0012s latency).
Not shown: 997 closed ports
PORT      STATE SERVICE
135/tcp   open  msrpc
139/tcp   open  netbios-ssn
445/tcp   open  microsoft-ds

Nmap done: 1 IP address (1 host up) scanned in 1.31 seconds
root@student-ThinkCentre-M70t:/home/student# nmap 192.168.23.20
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:38 IST
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.11 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -v 192.168.23.20
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:39 IST
Initiating Ping Scan at 14:39
Scanning 192.168.23.20 [4 ports]
Completed Ping Scan at 14:39, 3.05s elapsed (1 total hosts)
Nmap scan report for 192.168.23.20 [host down]
Read data files from: /usr/bin/../share/nmap
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.12 seconds
Raw packets sent: 8 (304B) | Rcvd: 0 (0B)
root@student-ThinkCentre-M70t:/home/student# nmap -O 192.168.23.20
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:39 IST
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.23 seconds
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root@student-ThinkCentre-M70t: /home/student

student@student-ThinkCentre-M70t: ~ root@student-ThinkCentre-M70t: /home/student

root@student-ThinkCentre-M70t:/home/student# nmap -O 192.168.23.20
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:39 IST
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.23 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -sP 192.168.23.0/24
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:40 IST
Nmap scan report for 192.168.23.0
Host is up (0.0011s latency).
Nmap scan report for 192.168.23.1
Host is up (0.0012s latency).
Nmap scan report for 192.168.23.255
Host is up (0.00045s latency).
Nmap done: 256 IP addresses (3 hosts up) scanned in 3.96 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -sA 192.168.23.20
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:41 IST
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.11 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -P T:23 192.168.23.20
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:42 IST
Failed to resolve "T:23".
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 2.12 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -P 80,443 192.168.23.20
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:42 IST
Failed to resolve "80,443".
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 2.10 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -sV 192.168.23.20
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:43 IST
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.32 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -sV 192.168.23.22
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:43 IST
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.22 seconds
root@student-ThinkCentre-M70t:/home/student# nmap 192.123.2.2
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root@student-ThinkCentre-M70t: /home/student
student@student-ThinkCentre-M70t: ~
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:46 IST
root@student-ThinkCentre-M70t:/home/student# nmap 192.168.3.2
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:47 IST
Note: Host seems down. If it is really up, but blocking our ping probes, try -Pn
Nmap done: 1 IP address (0 hosts up) scanned in 3.11 seconds
root@student-ThinkCentre-M70t:/home/student# nmap 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:48 IST
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0021s latency).
Not shown: 998 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
443/tcp   open  https
Nmap done: 1 IP address (1 host up) scanned in 4.15 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -v 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:49 IST
Initiating Ping Scan at 14:49
Scanning 8.8.8.8 [4 ports]
Completed Ping Scan at 14:49, 0.04s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 14:49
Completed Parallel DNS resolution of 1 host. at 14:49, 0.00s elapsed
Initiating SYN Stealth Scan at 14:49
Scanning dns.google (8.8.8.8) [1000 ports]
Discovered open port 53/tcp on 8.8.8.8
Discovered open port 443/tcp on 8.8.8.8
Completed SYN Stealth Scan at 14:49, 4.06s elapsed (1000 total ports)
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0022s latency).
Not shown: 998 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
443/tcp   open  https
Read data files from: /usr/bin/./share/nmap
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root@student-ThinkCentre-M70t: /home/student
student@student-ThinkCentre-M70t: ~
root@student-ThinkCentre-M70t:/home/student# nmap -v 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:49 IST
Initiating Ping Scan at 14:49
Scanning 8.8.8.8 [4 ports]
Completed Ping Scan at 14:49, 0.04s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 14:49
Completed Parallel DNS resolution of 1 host. at 14:49, 0.00s elapsed
Initiating SYN Stealth Scan at 14:49
Scanning dns.google (8.8.8.8) [1000 ports]
Discovered open port 53/tcp on 8.8.8.8
Discovered open port 443/tcp on 8.8.8.8
Completed SYN Stealth Scan at 14:49, 4.06s elapsed (1000 total ports)
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0022s latency).
Not shown: 998 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
443/tcp   open  https
Read data files from: /usr/bin/./share/nmap
Nmap done: 1 IP address (1 host up) scanned in 4.20 seconds
Raw packets sent: 2005 (88.19KB) | Rcvd: 6 (264B)
root@student-ThinkCentre-M70t:/home/student# nmap -O 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:49 IST
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0023s latency).
Not shown: 998 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
443/tcp   open  https
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: general purpose WAP
Running (JUST GUESSING): Linux 2.6.X (97%), D-Link embedded (96%), TRENDnet embedded (96%)
OS CPE: cpe:/o:linux:linux_kernel:2.6 cpe:/h:dlink:dwl-624%2b cpe:/h:dlink:dwl-2000ap cpe:/h:trendnet:tew-432brp
Aggressive OS guesses: Linux 2.6.18 - 2.6.22 (97%), D-Link DWL-624+ or DWL-2000AP, or TRENDnet TEW-432BRP WAP (96%)
No exact OS matches for host (test conditions non-ideal).
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root@student-ThinkCentre-M70t: /home/student

student@student-ThinkCentre-M70t: ~
root@student-ThinkCentre-M70t: /home/student

OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 9.37 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -sA 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:50 IST
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0022s latency).
All 1000 scanned ports on dns.google (8.8.8.8) are filtered

Nmap done: 1 IP address (1 host up) scanned in 21.27 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -P T:23 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:51 IST
Failed to resolve "T:23".
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0026s latency).
Not shown: 998 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
443/tcp   open  https

Nmap done: 1 IP address (1 host up) scanned in 4.12 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -P 80,443 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:52 IST
Failed to resolve "80,443".
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0023s latency).
Not shown: 998 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
443/tcp   open  https

Nmap done: 1 IP address (1 host up) scanned in 5.04 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -sV 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:52 IST
root@student-ThinkCentre-M70t:/home/student# nmap -sP 8.8.8.8
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root@student-ThinkCentre-M70t: /home/student

student@student-ThinkCentre-M70t: ~
root@student-ThinkCentre-M70t: /home/student

root@student-ThinkCentre-M70t:/home/student# nmap -sV 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:52 IST

root@student-ThinkCentre-M70t:/home/student# nmap -sP 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:54 IST
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0019s latency).
Nmap done: 1 IP address (1 host up) scanned in 0.10 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -sS 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:54 IST
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0029s latency).
Not shown: 998 filtered ports
PORT      STATE SERVICE
53/tcp    open  domain
443/tcp   open  https

Nmap done: 1 IP address (1 host up) scanned in 4.62 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -N 8.8.8.8
nmap: unrecognized option '-N'
See the output of nmap -h for a summary of options.
root@student-ThinkCentre-M70t:/home/student# nmap -sN 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:55 IST
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0021s latency).
All 1000 scanned ports on dns.google (8.8.8.8) are open|filtered

Nmap done: 1 IP address (1 host up) scanned in 4.22 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -sF 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:55 IST
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0031s latency).
All 1000 scanned ports on dns.google (8.8.8.8) are open|filtered

Nmap done: 1 IP address (1 host up) scanned in 4.19 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -sX 8.8.8.8
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```
root@student-ThinkCentre-M70t: /home/student

student@student-ThinkCentre-M70t: ~
root@student-ThinkCentre-M70t: /home/student

All 1000 scanned ports on dns.google (8.8.8.8) are open|filtered

Nmap done: 1 IP address (1 host up) scanned in 4.22 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -sF 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:55 IST
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0031s latency).
All 1000 scanned ports on dns.google (8.8.8.8) are open|filtered

Nmap done: 1 IP address (1 host up) scanned in 4.19 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -sX 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:55 IST
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0024s latency).
All 1000 scanned ports on dns.google (8.8.8.8) are open|filtered

Nmap done: 1 IP address (1 host up) scanned in 4.23 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -sO 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:55 IST
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0024s latency).
Not shown: 255 open|filtered protocols
PROTOCOL STATE SERVICE
1 open icmp

Nmap done: 1 IP address (1 host up) scanned in 2.46 seconds
root@student-ThinkCentre-M70t:/home/student# nmap -sU 8.8.8.8
Starting Nmap 7.80 ( https://nmap.org ) at 2023-04-06 14:56 IST
Nmap scan report for dns.google (8.8.8.8)
Host is up (0.0028s latency).
Not shown: 999 open|filtered ports
PORT STATE SERVICE
33459/udp closed unknown

Nmap done: 1 IP address (1 host up) scanned in 14.64 seconds
root@student-ThinkCentre-M70t:/home/student#
```

Prathamesh Thakur D12A 68

CSS Lab Firewall rules using Iptables

```
Activities Terminal Mar 16 09:16
student@student-ThinkCentre-M70t: ~

student@student-ThinkCentre-M70t:~$ sudo iptables -L
[sudo] password for student:
Chain INPUT (policy ACCEPT)
target     prot opt source                destination
DROP      all  --  52.95.116.115          anywhere
DROP      tcp  --  52.95.116.115          anywhere            tcp dpt:http

Chain FORWARD (policy ACCEPT)
target     prot opt source                destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source                destination
student@student-ThinkCentre-M70t:~$ ping google.com
PING google.com (216.58.196.78) 56(84) bytes of data:
64 bytes from kul01s09-in-f78.1e100.net (216.58.196.78): icmp_seq=1 ttl=116 time=1.34 ms
64 bytes from kul01s09-in-f78.1e100.net (216.58.196.78): icmp_seq=2 ttl=116 time=1.17 ms
64 bytes from kul01s09-in-f78.1e100.net (216.58.196.78): icmp_seq=3 ttl=116 time=1.39 ms
^C
--- google.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 1.170/1.298/1.389/0.093 ms
student@student-ThinkCentre-M70t:~$ iptables -A INPUT -s 216.58.196.78 -j DROP
Fatal: can't open lock file /run/xtables.lock: Permission denied
student@student-ThinkCentre-M70t:~$ sudo iptables -A INPUT -s 216.58.196.78 -j DROP
student@student-ThinkCentre-M70t:~$ sudo iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source                destination
DROP      all  --  52.95.116.115          anywhere
DROP      tcp  --  52.95.116.115          anywhere            tcp dpt:http
DROP      all  --  bom05s11-in-f14.1e100.net anywhere

Chain FORWARD (policy ACCEPT)
target     prot opt source                destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source                destination
student@student-ThinkCentre-M70t:~$ ping google.com
PING google.com (216.58.196.78) 56(84) bytes of data.
^C
```

```
Activities Terminal Mar 16 09:19
student@student-ThinkCentre-M70t: ~

3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 1.170/1.298/1.389/0.093 ms
student@student-ThinkCentre-M70t:~$ iptables -A INPUT -s 216.58.196.78 -j DROP
Fatal: can't open lock file /run/xtables.lock: Permission denied
student@student-ThinkCentre-M70t:~$ sudo iptables -A INPUT -s 216.58.196.78 -j DROP
student@student-ThinkCentre-M70t:~$ sudo iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source                destination
DROP      all  --  52.95.116.115          anywhere
DROP      tcp  --  52.95.116.115          anywhere            tcp dpt:http
DROP      all  --  bom05s11-in-f14.1e100.net anywhere

Chain FORWARD (policy ACCEPT)
target     prot opt source                destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source                destination
student@student-ThinkCentre-M70t:~$ ping google.com
PING google.com (216.58.196.78) 56(84) bytes of data.
^C
--- google.com ping statistics ---
13 packets transmitted, 0 received, 100% packet loss, time 12281ms

student@student-ThinkCentre-M70t:~$ iptables -D INPUT -s 216.58.196.78 -j DROP
Fatal: can't open lock file /run/xtables.lock: Permission denied
student@student-ThinkCentre-M70t:~$ sudo iptables -D INPUT -s 216.58.196.78 -j DROP
student@student-ThinkCentre-M70t:~$ sudo iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source                destination
DROP      all  --  52.95.116.115          anywhere
DROP      tcp  --  52.95.116.115          anywhere            tcp dpt:http

Chain FORWARD (policy ACCEPT)
target     prot opt source                destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source                destination
student@student-ThinkCentre-M70t:~$
```

```
Activities Terminal Mar 16 09:32 student@student-ThinkCentre-M70t: ~
student@student-ThinkCentre-M70t:~$ ping google.com
PING google.com (216.58.196.78) 56(84) bytes of data:
64 bytes from bom05s11-in-f14.1e100.net (216.58.196.78): icmp_seq=1 ttl=116 time=1.43 ms
64 bytes from bom05s11-in-f14.1e100.net (216.58.196.78): icmp_seq=2 ttl=116 time=1.13 ms
64 bytes from bom05s11-in-f14.1e100.net (216.58.196.78): icmp_seq=3 ttl=116 time=1.30 ms
^C
--- google.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 1.129/1.285/1.431/0.123 ms
student@student-ThinkCentre-M70t:~$
```