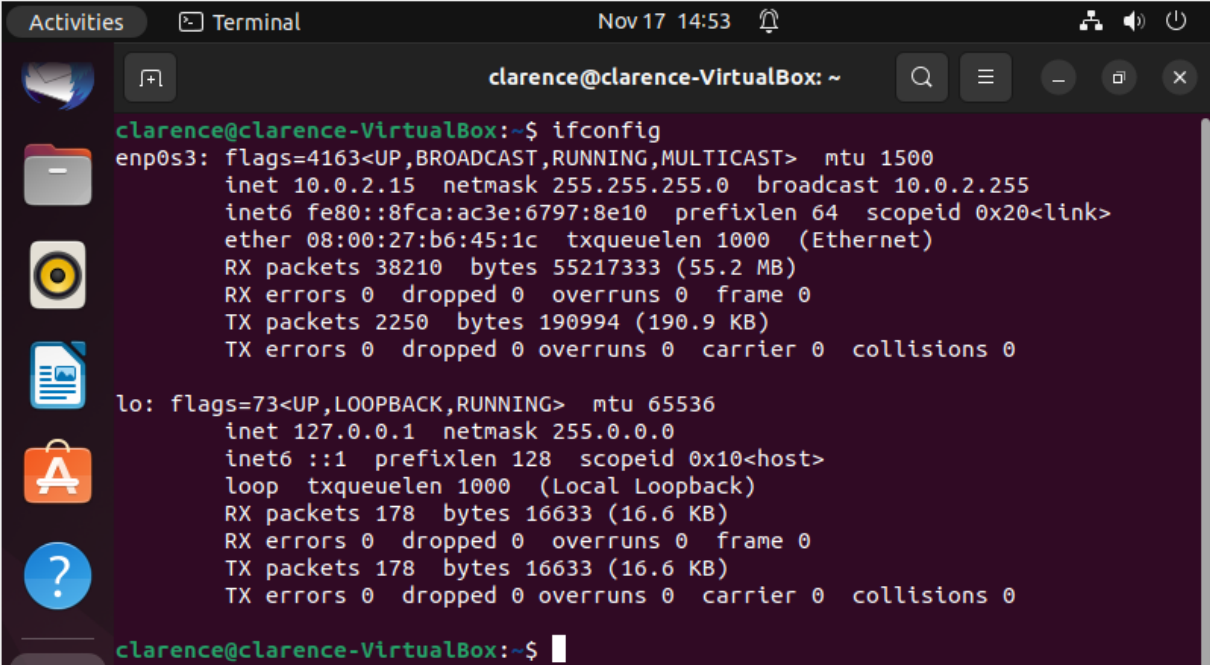


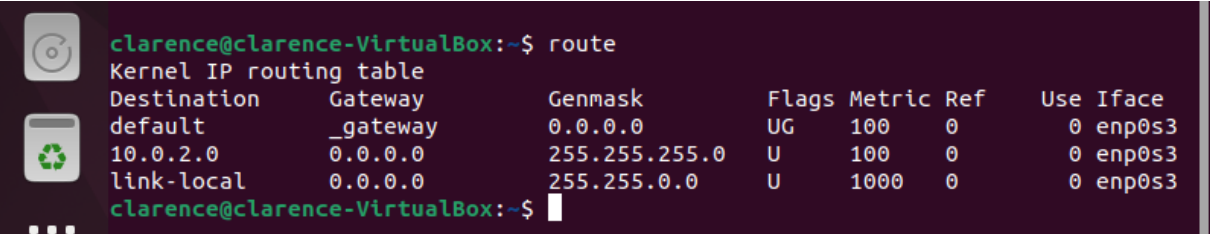
CYSE Assignment #11

1.



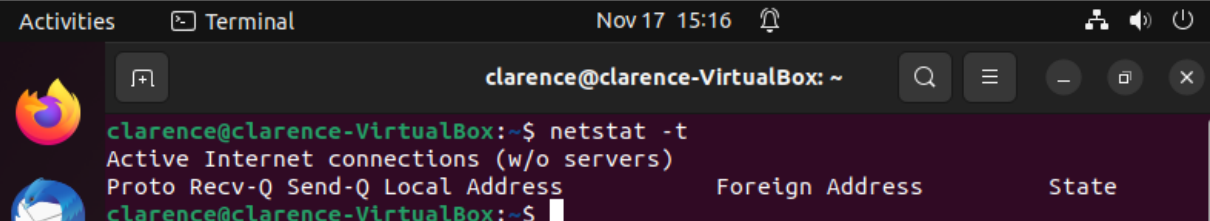
```
clarence@clarence-VirtualBox: ~  
clarence@clarence-VirtualBox:~$ ifconfig  
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255  
    inet6 fe80::8fca:ac3e:6797:8e10 prefixlen 64 scopeid 0x20<link>  
    ether 08:00:27:b6:45:1c txqueuelen 1000 (Ethernet)  
    RX packets 38210 bytes 55217333 (55.2 MB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 2250 bytes 190994 (190.9 KB)  
    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 178 bytes 16633 (16.6 KB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 178 bytes 16633 (16.6 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
clarence@clarence-VirtualBox:~$
```

2.



```
clarence@clarence-VirtualBox:~$ route  
Kernel IP routing table  
Destination Gateway Genmask Flags Metric Ref Use Iface  
default _gateway 0.0.0.0 UG 100 0 0 enp0s3  
10.0.2.0 0.0.0.0 255.255.255.0 U 100 0 0 enp0s3  
link-local 0.0.0.0 255.255.0.0 U 1000 0 0 enp0s3  
clarence@clarence-VirtualBox:~$
```

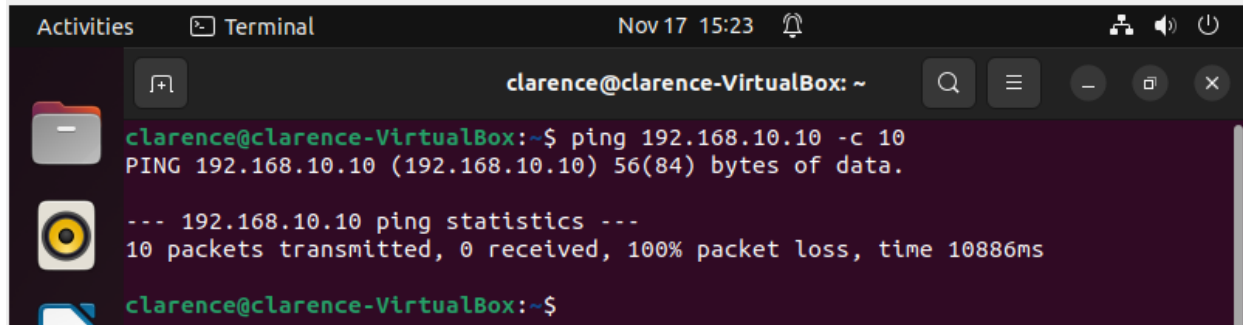
3.



```
clarence@clarence-VirtualBox:~$ netstat -t  
Active Internet connections (w/o servers)  
Proto Recv-Q Send-Q Local Address Foreign Address State  
clarence@clarence-VirtualBox:~$
```

4.

CYSE Assignment #11



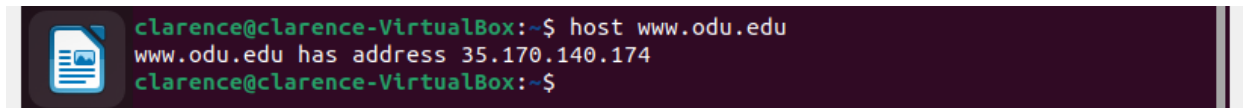
A terminal window titled "clarence@clarence-VirtualBox: ~" showing the execution of a ping command. The command is `clarence@clarence-VirtualBox:~$ ping 192.168.10.10 -c 10`. The output shows the first ping attempt failing with 100% packet loss and a time of 10886ms. The statistics section shows 10 packets transmitted, 0 received, and 100% packet loss. The prompt returns to `clarence@clarence-VirtualBox:~$`.

```
clarence@clarence-VirtualBox:~$ ping 192.168.10.10 -c 10
PING 192.168.10.10 (192.168.10.10) 56(84) bytes of data.

--- 192.168.10.10 ping statistics ---
10 packets transmitted, 0 received, 100% packet loss, time 10886ms

clarence@clarence-VirtualBox:~$
```

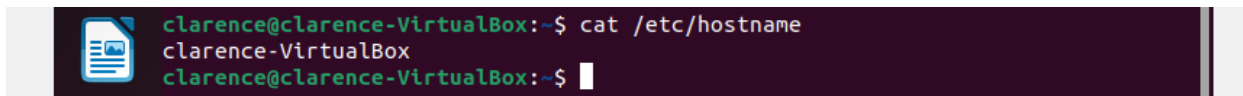
5.



A terminal window titled "clarence@clarence-VirtualBox: ~" showing the execution of the `host` command. The command is `clarence@clarence-VirtualBox:~$ host www.odu.edu`. The output shows that `www.odu.edu` has the address `35.170.140.174`. The prompt returns to `clarence@clarence-VirtualBox:~$`.

```
clarence@clarence-VirtualBox:~$ host www.odu.edu
www.odu.edu has address 35.170.140.174
clarence@clarence-VirtualBox:~$
```

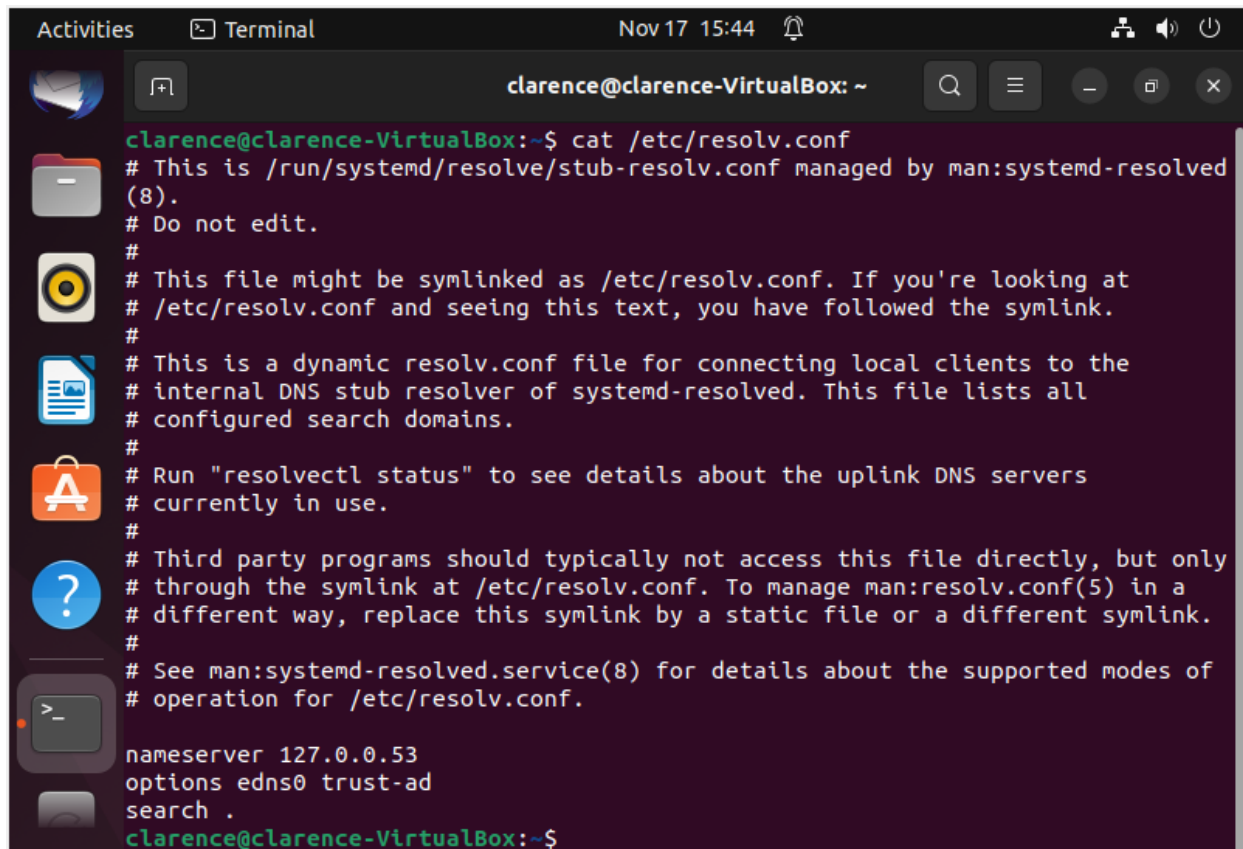
6.



A terminal window titled "clarence@clarence-VirtualBox: ~" showing the execution of the `cat` command. The command is `clarence@clarence-VirtualBox:~$ cat /etc/hostname`. The output shows the hostname `clarence-VirtualBox`. The prompt returns to `clarence@clarence-VirtualBox:~$`.

```
clarence@clarence-VirtualBox:~$ cat /etc/hostname
clarence-VirtualBox
clarence@clarence-VirtualBox:~$
```

7.



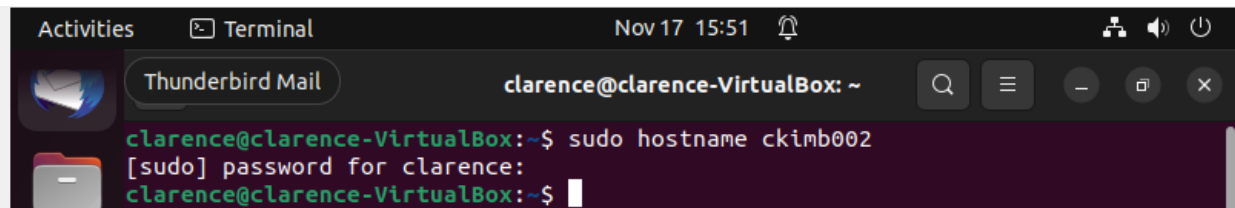
A terminal window titled "clarence@clarence-VirtualBox: ~" showing the execution of the `cat` command. The command is `clarence@clarence-VirtualBox:~$ cat /etc/resolv.conf`. The output shows the contents of the `/etc/resolv.conf` file, which includes comments about the file being managed by `man:systemd-resolved` and a list of DNS servers. The prompt returns to `clarence@clarence-VirtualBox:~$`.

```
clarence@clarence-VirtualBox:~$ cat /etc/resolv.conf
# This is /run/systemd/resolve/stub-resolv.conf managed by man:systemd-resolved
# (8).
# Do not edit.
#
# This file might be symlinked as /etc/resolv.conf. If you're looking at
# /etc/resolv.conf and seeing this text, you have followed the symlink.
#
# This is a dynamic resolv.conf file for connecting local clients to the
# internal DNS stub resolver of systemd-resolved. This file lists all
# configured search domains.
#
# Run "resolvectl status" to see details about the uplink DNS servers
# currently in use.
#
# Third party programs should typically not access this file directly, but only
# through the symlink at /etc/resolv.conf. To manage man:resolv.conf(5) in a
# different way, replace this symlink by a static file or a different symlink.
#
# See man:systemd-resolved.service(8) for details about the supported modes of
# operation for /etc/resolv.conf.

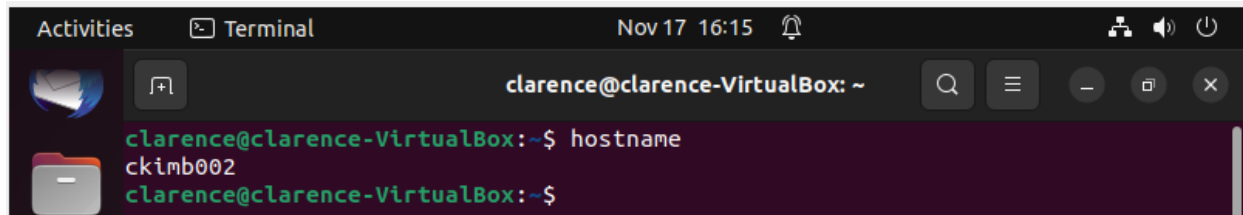
nameserver 127.0.0.53
options edns0 trust-ad
search .
clarence@clarence-VirtualBox:~$
```

8.

CYSE Assignment #11

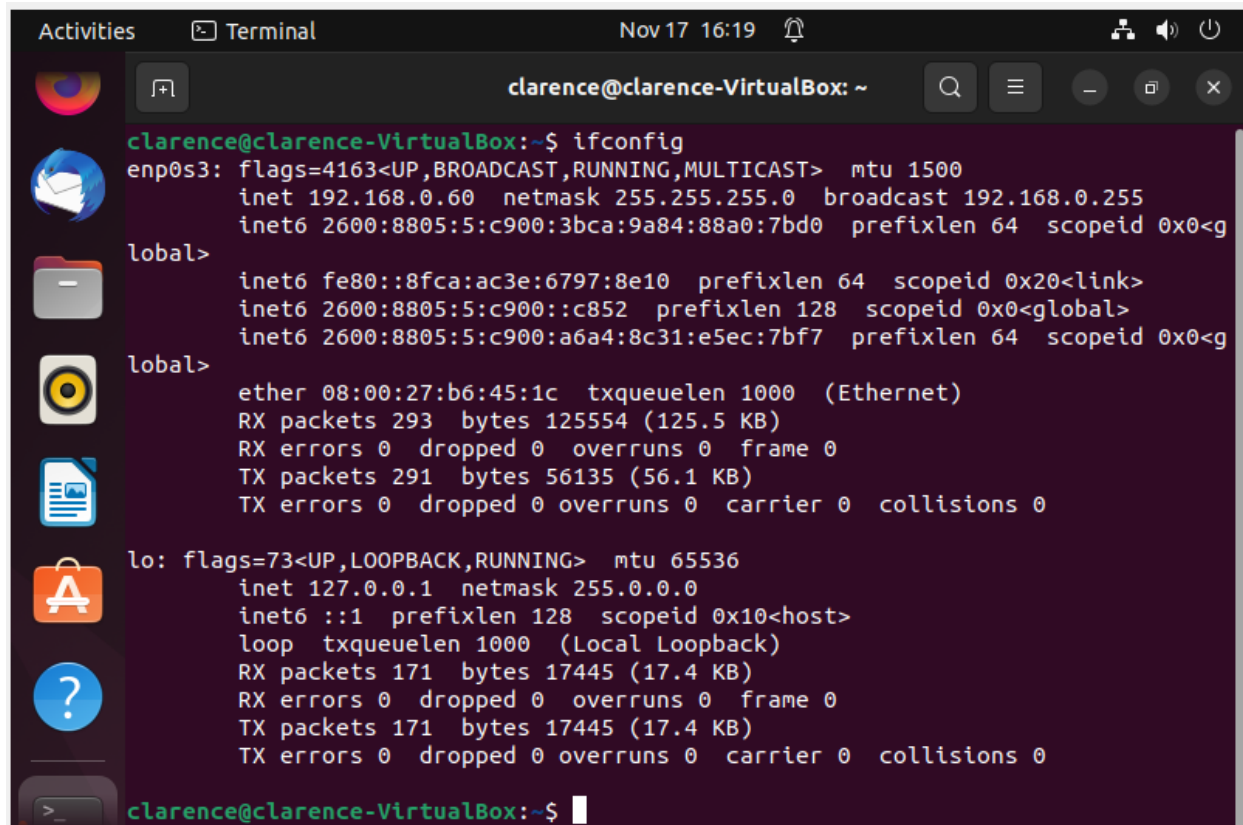


```
Activities Terminal Nov 17 15:51
Thunderbird Mail clarence@clarence-VirtualBox: ~
clarence@clarence-VirtualBox:~$ sudo hostname ckimb002
[sudo] password for clarence:
clarence@clarence-VirtualBox:~$
```



```
Activities Terminal Nov 17 16:15
clarence@clarence-VirtualBox: ~
clarence@clarence-VirtualBox:~$ hostname
ckimb002
clarence@clarence-VirtualBox:~$
```

Task B 1.

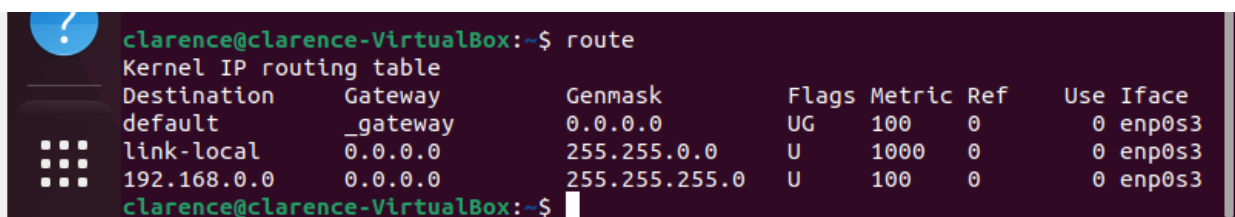


```
Activities Terminal Nov 17 16:19
clarence@clarence-VirtualBox: ~
clarence@clarence-VirtualBox:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.0.60 netmask 255.255.255.0 broadcast 192.168.0.255
    inet6 2600:8805:5:c900:3bca:9a84:88a0:7bd0 prefixlen 64 scopeid 0x0<g
    global>
    inet6 fe80::8fca:ac3e:6797:8e10 prefixlen 64 scopeid 0x20<link>
    inet6 2600:8805:5:c900::c852 prefixlen 128 scopeid 0x0<global>
    inet6 2600:8805:5:c900:a6a4:8c31:e5ec:7bf7 prefixlen 64 scopeid 0x0<g
    local>
    ether 08:00:27:b6:45:1c txqueuelen 1000 (Ethernet)
    RX packets 293 bytes 125554 (125.5 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 291 bytes 56135 (56.1 KB)
    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 171 bytes 17445 (17.4 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 171 bytes 17445 (17.4 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

clarence@clarence-VirtualBox:~$
```

2.



```
clarence@clarence-VirtualBox:~$ route
Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref Use Iface
default _gateway 0.0.0.0 UG 100 0 0 enp0s3
link-local 0.0.0.0 255.255.0.0 U 1000 0 0 enp0s3
192.168.0.0 0.0.0.0 255.255.255.0 U 100 0 0 enp0s3
clarence@clarence-VirtualBox:~$
```

CYSE Assignment #11

3.

```
clarence@clarence-VirtualBox:~$ netstat -t
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp6      0      1 clarence-VirtualB:47502 gladys.canonical.c:http SYN_SENT
clarence@clarence-VirtualBox:~$
```

4.

```
clarence@clarence-VirtualBox:~$ ping 192.168.10.10 -c 10
PING 192.168.10.10 (192.168.10.10) 56(84) bytes of data.

--- 192.168.10.10 ping statistics ---
10 packets transmitted, 0 received, 100% packet loss, time 9313ms
clarence@clarence-VirtualBox:~$
```

5.

```
Activities Terminal Nov 17 16:23
clarence@clarence-VirtualBox: ~
clarence@clarence-VirtualBox:~$ cat /etc/hostname
clarence-VirtualBox
clarence@clarence-VirtualBox:~$
```

6.

```
clarence@clarence-VirtualBox:~$ cat /etc/resolv.conf
# This is /run/systemd/resolve/stub-resolv.conf managed by man:systemd-resolved
# (8).
# Do not edit.
#
# This file might be symlinked as /etc/resolv.conf. If you're looking at
# /etc/resolv.conf and seeing this text, you have followed the symlink.
#
# This is a dynamic resolv.conf file for connecting local clients to the
# internal DNS stub resolver of systemd-resolved. This file lists all
# configured search domains.
#
# Run "resolvectl status" to see details about the uplink DNS servers
# currently in use.
#
# Third party programs should typically not access this file directly, but only
# through the symlink at /etc/resolv.conf. To manage man:resolv.conf(5) in a
# different way, replace this symlink by a static file or a different symlink.
# See man:systemd-resolved.service(8) for details about the supported modes of
# operation for /etc/resolv.conf.
nameserver 127.0.0.53
options edns0 trust-ad
search .
clarence@clarence-VirtualBox:~$
```