

NAME:- KOMAL MAHESH CHITNIS

MOODLE ID:-20102068

DIV:-A

CLASS:-T.E.

ROLL NO:-26

EXPERIMENT NO.-3

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apsit@slave17: ~  
apsit@slave17:~$ netstat  
Active Internet connections (w/o servers)  
Proto Recv-Q Send-Q Local Address           Foreign Address         State  
tcp        0      0 192.168.5.90:39308      103.123.226.102:http   TIME_WAIT  
tcp        0      0 192.168.5.90:33726      192.168.192.193:8090   ESTABLISHED  
tcp        0      0 192.168.5.90:59118      123.208.120.34.bc:https TIME_WAIT  
tcp        0      0 192.168.5.90:35468      ec2-34-212-166-60:https ESTABLISHED  
Active UNIX domain sockets (w/o servers)  
Proto RefCnt Flags               Type               State         I-Node  Path  
unix    2      [ ]                 DGRAM                
d/notify 19275  /run/user/1000/system  
unix    3      [ ]                 DGRAM              11017  /run/systemd/notify  
unix    2      [ ]                 DGRAM              11018  /run/systemd/cgroups-  
agent  
unix    7      [ ]                 DGRAM              11025  /run/systemd/journal/  
socket  
unix   15      [ ]                 DGRAM              11026  /run/systemd/journal/  
dev-log  
unix    2      [ ]                 DGRAM              11036  /run/systemd/journal/  
syslog  
unix    3      [ ]                 STREAM             CONNECTED      28161  
unix    3      [ ]                 STREAM             CONNECTED      21582  @/tmp/dbus-QAgSdvHU1A  
unix    3      [ ]                 STREAM             CONNECTED      15168  /var/run/dbus/system_
```

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apsit@slave17: ~
apsit@slave17:~$ netstat -r
Kernel IP routing table
Destination      Gateway          Genmask         Flags       MSS  Window  irtt Iface
default          192.168.192.193 0.0.0.0         UG          0    0        0   enp2s0
link-local       *                255.255.0.0     U           0    0        0   enp2s0
192.168.0.0      *                255.255.0.0     U           0    0        0   enp2s0
apsit@slave17:~$ netstat -rn
Kernel IP routing table
Destination      Gateway          Genmask         Flags       MSS  Window  irtt Iface
0.0.0.0          192.168.192.193 0.0.0.0         UG          0    0        0   enp2s0
169.254.0.0      0.0.0.0         255.255.0.0     U           0    0        0   enp2s0
192.168.0.0      0.0.0.0         255.255.0.0     U           0    0        0   enp2s0
apsit@slave17:~$ route
Kernel IP routing table
Destination      Gateway          Genmask         Flags Metric Ref    Use Iface
default          192.168.192.193 0.0.0.0         UG    100    0      0   enp2s0
link-local       *                255.255.0.0     U    1000    0      0   enp2s0
192.168.0.0      *                255.255.0.0     U    100    0      0   enp2s0
apsit@slave17:~$ route -n
Kernel IP routing table
Destination      Gateway          Genmask         Flags Metric Ref    Use Iface I
0.0.0.0          192.168.192.193 0.0.0.0         UG    100    0      0   enp2s0
169.254.0.0      0.0.0.0         255.255.0.0     U    1000    0      0   enp2s0
192.168.0.0      0.0.0.0         255.255.0.0     U    100    0      0   enp2s0

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apsit@slave17: ~
192.168.0.0/16 dev enp2s0 proto kernel scope link src 192.168.5.90 metric
0
apsit@slave17:~$ sudo ip route add 169.254.0.0 via 192.168.192.193 dev enp2s0
[sudo] password for apsit:
apsit@slave17:~$ route
Kernel IP routing table
Destination      Gateway          Genmask         Flags Metric Ref    Use Iface
default          192.168.192.193 0.0.0.0         UG    100    0      0   enp2s0
169.254.0.0      192.168.192.193 255.255.255.255 UGH    0    0      0   enp2s0
link-local       *                255.255.0.0     U    1000    0      0   enp2s0
192.168.0.0      *                255.255.0.0     U    100    0      0   enp2s0
apsit@slave17:~$ sudo ip route delete 169.254.0.0 via 192.168.192.193 dev enp2s0
apsit@slave17:~$ route
Kernel IP routing table
Destination      Gateway          Genmask         Flags Metric Ref    Use Iface
default          192.168.192.193 0.0.0.0         UG    100    0      0   enp2s0
link-local       *                255.255.0.0     U    1000    0      0   enp2s0
192.168.0.0      *                255.255.0.0     U    100    0      0   enp2s0
apsit@slave17:~$ ifconfig -a
enp2s0: Link encap:Ethernet HWaddr 40:b0:34:1b:56:f8
        inet addr:192.168.5.90 Bcast:192.168.255.255 Mask:255.255.0.0
        inet6 addr: fe80::cc7e:9444:aa50:f86a/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1

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apsit@slave17: ~
--- www.google.com ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5007ms
rtt min/avg/max/mdev = 1.539/1.628/1.684/0.073 ms
apsit@slave17:~$ sudo route add gw 192.168.12.69
gw: No address associated with name
apsit@slave17:~$ sudo route add gw 192.168.420.69
gw: No address associated with name
apsit@slave17:~$ sudo route add gw 192.168.69.420
gw: No address associated with name
apsit@slave17:~$ sudo route add gw 192.168.0.0
gw: No address associated with name
apsit@slave17:~$ sudo route add gw 169.254.0.0
gw: No address associated with name
apsit@slave17:~$ sudo route add gw 192.168.5.90
gw: No address associated with name
apsit@slave17:~$ sudo route add default gw 192.168.12.69
apsit@slave17:~$ route
Kernel IP routing table
Destination    Gateway         Genmask         Flags Metric Ref    Use Iface
default        192.168.12.69  0.0.0.0         UG    0      0      0 enp2s0
default        192.168.192.193 0.0.0.0         UG    100    0      0 enp2s0
link-local     *              255.255.0.0     U     1000   0      0 enp2s0
192.168.0.0    *              255.255.0.0     U     100    0      0 enp2s0
apsit@slave17:~$

```