EX 3: TRACEROUTE, PING, IFCONFIG, IPCONFIG, AND NETSTAT

OUTPUT:

Command Prompt

```
C:\Users\Ashwathi V>tracert www.saveetha.com

Tracing route to www.saveetha.com [198.185.159.144]
over a maximum of 30 hops:

  1     1 ms     1 ms     1 ms  192.168.86.99
  2     *        *        *     Request timed out.
  3   198 ms    62 ms   139 ms  10.71.201.26
  4   375 ms   100 ms   100 ms  192.168.72.197
  5    31 ms    82 ms   112 ms  192.168.71.138
  6   161 ms   100 ms     *     172.26.74.196
  7    46 ms    85 ms   101 ms  172.26.75.83
  8   230 ms    99 ms    99 ms  192.168.68.132
  9     *        *        *     Request timed out.
 10     *        *        *     Request timed out.
 11     *        *        *     Request timed out.
 12     *        *        *     Request timed out.
 13   126 ms   101 ms   101 ms  103.198.140.64
 14   126 ms   101 ms   202 ms  49.45.4.86
 15     *      602 ms   817 ms  snge-b3-link.ip.twelve99.net [62.115.11.246]
 16   388 ms   305 ms   305 ms  akamai-ic327078-snge-b1.ip.twelve99-cust.net [62.115.36.235]
 17   382 ms   307 ms   406 ms  po110.bs-a.sech-sin.netarch.akamai.com [23.57.106.243]
 18     *        *        *     Request timed out.
 19   409 ms   408 ms   408 ms  ae120.access-a.sech-sin.netarch.akamai.com [23.57.106.249]
 20   408 ms   305 ms   306 ms  93.191.172.99
 21   429 ms   407 ms   408 ms  a209-200-148-130.deploy.static.akamaitechnologies.com [209.200.148.130]
 22   333 ms   305 ms   305 ms  198.185.159.144

Trace complete.

C:\Users\Ashwathi V>
```

Command Prompt

```
C:\Users\Ashwathi V>ping 192.168.56.1

Pinging 192.168.56.1 with 32 bytes of data:
Reply from 192.168.56.1: bytes=32 time<1ms TTL=128
Reply from 192.168.56.1: bytes=32 time<1ms TTL=128
Reply from 192.168.56.1: bytes=32 time<1ms TTL=128
Reply from 192.168.56.1: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.56.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\Ashwathi V>
```

File   Machine   View   Input   Devices   Help

1 2 3 4

File   Actions   Edit   View   Help

```
┌──(ashwathi㊉kali)-[~]
└─$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 15
00
        inet 10.0.2.15  netmask 255.255.255.0  broadcast
 10.0.2.255
        inet6 fe80::a00:27ff:fe4b:b3ce  prefixlen 64  sc
opeid 0×20<link>
        ether 08:00:27:4b:b3:ce  txqueuelen 1000  (Ether
net)
        RX packets 1039  bytes 73140 (71.4 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1073  bytes 80732 (78.8 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  co
llisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0×10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 4  bytes 240 (240.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 4  bytes 240 (240.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  co
llisions 0

┌──(ashwathi㊉kali)-[~]
└─$ 
```

Command Prompt

```
C:\Users\Ashwathi V>netstat

Active Connections

  Proto  Local Address          Foreign Address        State
  TCP    127.0.0.1:54775        LAPTOP-KI4T8900:54777  ESTABLISHED
  TCP    127.0.0.1:54777        LAPTOP-KI4T8900:54775  ESTABLISHED
  TCP    192.168.86.29:49527    20.198.119.84:https    ESTABLISHED
  TCP    [2409:4072:11e:67e0:4daf:24c5:cf43:bb79]:54872  [2620:1ec:c11::200]:https  ESTABLISHED

C:\Users\Ashwathi V>
```