

Exercise 8

TraceRoute, ping, ifconfig, ipconfig, netstat

```
Command Prompt
Tracing route to saveetha.com [198.185.159.145]
over a maximum of 30 hops:

 1  2 ms  2 ms  1 ms  192.168.128.171
 2  *    *    *    Request timed out.
 3  *    *    *    Request timed out.
 4  *    *    *    Request timed out.
 5  *    *    *    Request timed out.
 6  *    *    *    Request timed out.
 7  *    *    *    Request timed out.
 8  *    *    *    Request timed out.
 9  *    *    *    Request timed out.
10  *    *    *    Request timed out.
11  *    *    *    Request timed out.
12  *    *    *    Request timed out.
13  *    *    *    Request timed out.
14  *    *    *    Request timed out.
15  *    *    *    Request timed out.
16  *    *    *    Request timed out.
17  *    *    *    Request timed out.
18  *    *    *    Request timed out.
19  *    *    *    Request timed out.
20  *    *    *    Request timed out.
21  *    *    *    Request timed out.
22 453 ms 345 ms 613 ms 198.185.159.145

Trace complete.
C:\Users\Jawahar Prasad G>
```

```
C:\Users\Jawahar Prasad G>ping 192.168.128.171

Pinging 192.168.128.171 with 32 bytes of data:
Reply from 192.168.128.171: bytes=32 time=15ms TTL=64
Reply from 192.168.128.171: bytes=32 time=5ms TTL=64
Reply from 192.168.128.171: bytes=32 time=10ms TTL=64
Reply from 192.168.128.171: bytes=32 time=3ms TTL=64

Ping statistics for 192.168.128.171:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 3ms, Maximum = 15ms, Average = 8ms
```

```
Command Prompt
C:\Users\Jawahar Prasad G>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : saveetha.net

Ethernet adapter Ethernet 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Unknown adapter Local Area Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Ethernet adapter Ethernet 3:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::3efc:8ca8:2514:f8b1%16
    IPv4 Address. . . . . : 192.168.56.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :

Wireless LAN adapter Local Area Connection* 1:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi:
```

C:\Users\Jawahar Prasad G>netstat

Active Connections

Proto	Local Address	Foreign Address	State
TCP	127.0.0.1:10007	Paguththarivalan:62963	ESTABLISHED
TCP	127.0.0.1:49695	Paguththarivalan:49696	ESTABLISHED
TCP	127.0.0.1:49696	Paguththarivalan:49695	ESTABLISHED
TCP	127.0.0.1:49702	Paguththarivalan:49703	ESTABLISHED
TCP	127.0.0.1:49703	Paguththarivalan:49702	ESTABLISHED
TCP	127.0.0.1:53031	Paguththarivalan:62184	ESTABLISHED
TCP	127.0.0.1:62171	Paguththarivalan:65801	ESTABLISHED
TCP	127.0.0.1:62184	Paguththarivalan:53031	ESTABLISHED
TCP	127.0.0.1:62963	Paguththarivalan:10807	ESTABLISHED
TCP	127.0.0.1:65001	Paguththarivalan:62171	ESTABLISHED
TCP	192.168.128.7:62987	223.196.16.10:http	TIME_WAIT
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62188	[64:ff9b::14c6:7754]:https	ESTABLISHED
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62218	sm-in-f188:https	ESTABLISHED
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62528	whatsapp-chatd-edge6-shv-01-tir2:5222	ESTABLISHED
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62782	maa05s26-in-x0e:https	ESTABLISHED
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62895	[64:ff9b::8c52:711a]:https	ESTABLISHED
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62927	[2606:2800:147:120f:30c:1ba0:fc6:265a]:https	CLOSE_WAIT
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62934	[2606:2800:147:120f:30c:1ba0:fc6:265a]:https	CLOSE_WAIT
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62935	[2606:2800:247:b713:6f8:1d37:ecd5:e137]:https	CLOSE_WAIT
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62967	maa05s23-in-x0e:https	ESTABLISHED
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62968	maa05s23-in-x0e:https	ESTABLISHED
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62970	[64:ff9b::23d7:36e7]:https	ESTABLISHED
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62973	[64:ff9b::142c:e570]:https	TIME_WAIT
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62974	[64:ff9b::142c:e570]:https	TIME_WAIT
TCP	[2402:8100:25c1:8a31:bdd6:8cf9:6bdd:49e6]:62976	[64:ff9b::142c:e525]:https	TIME_WAIT