

# Exercise No 8: Traceroute, ping, ifconfig, ipconfig, netstat

## TRACERT COMMAND:

```
Microsoft Windows [Version 10.0.17134.1]
(c) Microsoft Corporation. All rights reserved.

C:\Users\GARTHIE>tracert google.com

Tracing route to google.com [192.168.1.100]
over a maximum of 30 hops:
  0  10 ms  10 ms  10 ms  192.168.1.100
  1  10 ms  10 ms  10 ms  192.168.1.100
  2  10 ms  10 ms  10 ms  192.168.1.100
  3  10 ms  10 ms  10 ms  192.168.1.100
  4  10 ms  10 ms  10 ms  192.168.1.100
  5  10 ms  10 ms  10 ms  192.168.1.100
  6  10 ms  10 ms  10 ms  192.168.1.100
  7  10 ms  10 ms  10 ms  192.168.1.100
  8  10 ms  10 ms  10 ms  192.168.1.100
  9  10 ms  10 ms  10 ms  192.168.1.100
 10  10 ms  10 ms  10 ms  192.168.1.100
 11  10 ms  10 ms  10 ms  192.168.1.100
 12  10 ms  10 ms  10 ms  192.168.1.100
 13  10 ms  10 ms  10 ms  192.168.1.100
 14  10 ms  10 ms  10 ms  192.168.1.100
 15  10 ms  10 ms  10 ms  192.168.1.100
 16  10 ms  10 ms  10 ms  192.168.1.100

Trace complete.
```

## Ipconfig COMMAND:

```
Microsoft Windows [Version 10.0.17134.1]
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C:\Users\GARTHIE>ipconfig

Wireless LAN adapter Local Area Connection*:
   Media State . . . . . : Media disconnected
   Connection-specific DNS Suffix  . : 
   . . . . .

Wireless LAN adapter Local Area Connection*:
   Media State . . . . . : Media disconnected
   Connection-specific DNS Suffix  . : 
   . . . . .

Wireless LAN adapter Local Area Connection*:
   Media State . . . . . : Media disconnected
   Connection-specific DNS Suffix  . : 
   . . . . .

Wireless LAN adapter Wi-Fi:
   Media State . . . . . : Media disconnected
   Connection-specific DNS Suffix  . : 
   . . . . .

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

C:\Users\GARTHIE>
```

## Ping COMMAND:

```
Command Prompt
Microsoft Windows [version 10.0.22H2.1881]
(c) Microsoft Corporation. All rights reserved.
C:\Users\ADMIN\ping 192.168.182.182

Pinging 192.168.182.182 with 32 bytes of data:
Reply from 192.168.182.182: bytes=32 time=348ms TTL=64
Reply from 192.168.182.182: bytes=32 time=378ms TTL=64
Reply from 192.168.182.182: bytes=32 time=318ms TTL=64
Reply from 192.168.182.182: bytes=32 time=398ms TTL=64

Ping statistics for 192.168.182.182:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milliseconds:
        Minimum = 308ms, Maximum = 378ms, Average = 339ms
C:\Users\ADMIN>
```

## Netstat COMMAND:

```
Command Prompt - netstat
Microsoft Windows [version 10.0.22H2.1881]
(c) Microsoft Corporation. All rights reserved.
C:\Users\ADMIN>netstat

Active Connections
Proto Local Address           Foreign Address         State
TCP    127.0.0.1:17532          6497HELLO:55359        ESTABLISHED
TCP    127.0.0.1:18078          6497HELLO:55881        ESTABLISHED
TCP    127.0.0.1:55359         6497HELLO:17532        ESTABLISHED
TCP    127.0.0.1:55360         6497HELLO:55382        ESTABLISHED
TCP    127.0.0.1:55361         6497HELLO:55362        ESTABLISHED
TCP    127.0.0.1:55362         6497HELLO:55361        ESTABLISHED
TCP    127.0.0.1:55364         6497HELLO:55371        ESTABLISHED
TCP    127.0.0.1:55371         6497HELLO:55366        ESTABLISHED
TCP    127.0.0.1:55381         6497HELLO:55368        ESTABLISHED
TCP    127.0.0.1:55876         6497HELLO:58977        ESTABLISHED
TCP    127.0.0.1:58977         6497HELLO:58976        ESTABLISHED
TCP    127.0.0.1:58978         6497HELLO:58979        ESTABLISHED
TCP    127.0.0.1:58979         6497HELLO:58978        ESTABLISHED
TCP    127.0.0.1:58980         6497HELLO:58986        ESTABLISHED
TCP    127.0.0.1:58986         6497HELLO:58989        ESTABLISHED
TCP    127.0.0.1:58989         6497HELLO:58980        ESTABLISHED
TCP    127.0.0.1:58992         6497HELLO:58992        ESTABLISHED
TCP    127.0.0.1:58992         6497HELLO:58992        ESTABLISHED
TCP    127.0.0.1:58992         6497HELLO:58992        ESTABLISHED
TCP    192.168.182.182:55359  192.168.182.182:55359 TIME_WAIT
```