1st Command-hostname

```
C:\Users\student>hostname
DESKTOP-HJ13MH2
C:\Users\student>
```

2nd Command- ipconfig

```
C:\Users\student>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

Connection-specific DNS Suffix .:
Link-local IPv6 Address . . . : fe80::790f:98db:4f66:baf4%13
IPv4 Address . . . . : 192.168.20.42
Subnet Mask . . . . . . : 255.255.0.0
Default Gateway . . . . : 192.168.1.251

C:\Users\student>_
```

3rd Command-ipconfig/all

4th Command- nslookup

```
:\Users\student>nslookup
Default Server: UnKnown
Address: 192.168.1.251
www.google.com
Server: UnKnown
Address: 192.168.1.251
Non-authoritative answer:
Www.google.com
Addresses: 2404:6800:4002:81f::2004
          142.250.194.196
cloudfare.com
Server: UnKnown
Address: 192.168.1.251
Non-authoritative answer:
lame: cloudfare.com
Addresses: 2606:4700:3031::6815:4dd8
           2606:4700:3034::ac43:d3e7
           172.67.211.231
           104.21.77.216
:\Users\student>_
```

5th Command-Ping

```
C:\Users\student>ping www.google.com

Pinging www.google.com [142.250.194.196] with 32 bytes of data:
Reply from 142.250.194.196: bytes=32 time=10ms TTL=118
Reply from 142.250.194.196: bytes=32 time=4ms TTL=118
Reply from 142.250.194.196: bytes=32 time=1ms TTL=118
Reply from 142.250.194.196: bytes=32 time=2ms TTL=118
Ping statistics for 142.250.194.196:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 10ms, Average = 4ms

C:\Users\student>_
```

6th Command-tracert

```
:\Users\student>tracert
Usage: tracert [-d] [-h maximum_hops] [-j host-list] [-w timeout]
[-R] [-S srcaddr] [-4] [-6] target_name
Options:
                       Do not resolve addresses to hostnames.
    -h maximum_hops
                       Maximum number of hops to search for target.
                       Loose source route along host-list (IPv4-only).
   -w timeout
                       Wait timeout milliseconds for each reply.
                       Trace round-trip path (IPv6-only).
                      Source address to use (IPv6-only).
   -S srcaddr
                       Force using IPv4.
                       Force using IPv6.
C:\Users\student>tracert www.google.com
Tracing route to www.google.com [142.250.194.196]
over a maximum of 30 hops:
 1 5 ms 5 ms 4 ms
```

7th command-systeminfo

```
DESKTOP-HJ13MH2
Microsoft Windows 10 Pro
10.0.19042 N/A Build 19042
Microsoft Corporation
Standalone Workstation
Multiprocessor Free
Windows User
Do Manufacturen:

Do Manufactu
                        \Users\student>_
```

8th Command- netstat

```
C:\Users\student>netstat
Active Connections
 Proto
        Local Address
                                 Foreign Address
                                                         State
 TCP
         127.0.0.1:49676
                                 DESKTOP-HJ13MH2:49677
                                                         ESTABLISHED
 TCP
                                 DESKTOP-HJ13MH2:49676
                                                         ESTABLISHED
         127.0.0.1:49677
 TCP
         127.0.0.1:50075
                                 DESKTOP-HJ13MH2:50076
                                                         ESTABLISHED
 TCP
         127.0.0.1:50076
                                 DESKTOP-HJ13MH2:50075
                                                         ESTABLISHED
  TCP
         127.0.0.1:51340
                                 DESKTOP-HJ13MH2:51341
                                                         ESTABLISHED
  TCP
         127.0.0.1:51341
                                 DESKTOP-HJ13MH2:51340
                                                         ESTABLISHED
         192.168.20.42:7680
  TCP
                                 DESKTOP-HJ13MH2:63669
                                                         TIME WAIT
                                                         ESTABLISHED
  TCP
                                 192.168.27.229:49843
         192.168.20.42:7680
  TCP
         192.168.20.42:7680
                                 192.168.28.51:50328
                                                         TIME WAIT
 TCP
         192.168.20.42:7680
                                 192.168.28.51:50338
                                                         TIME WAIT
  TCP
         192.168.20.42:7680
                                 192.168.28.51:65107
                                                         TIME WAIT
 TCP
         192.168.20.42:7680
                                 192.168.29.8:59615
                                                         ESTABLISHED
 TCP
         192.168.20.42:7680
                                 DESKTOP-ME9MLHT:63063
                                                         TIME WAIT
 TCP
                                                         ESTABLISHED
         192.168.20.42:7680
                                 DESKTOP-OS55CL4:49891
 TCP
         192.168.20.42:51337
                                 20.198.162.78:https
                                                         ESTABLISHED
 TCP
         192.168.20.42:51351
                                 208.71.185.246:https
                                                         CLOSE_WAIT
  TCP
                                 208.71.185.246:https
                                                         CLOSE_WAIT
         192.168.20.42:51352
  TCP
         192.168.20.42:51356
                                 208.71.186.111:https
                                                         CLOSE_WAIT
                                                         CLOSE_WAIT
 TCP
         192.168.20.42:51365
                                 208.71.185.241:https
                                 ec2-15-165-55-213:https CLOSE_WAIT
  TCP
         192.168.20.42:51368
 TCP
         192.168.20.42:51371
                                 208.71.185.241:https
                                                         CLOSE WAIT
 TCP
         192.168.20.42:51402
                                 117.18.237.29:http
                                                         CLOSE WAIT
  TCP
         192.168.20.42:51516
                                 117.18.232.200:https
                                                         LAST ACK
  TCP
                                 117.18.232.200:https
                                                         LAST ACK
         192.168.20.42:51518
```