

C:\Users\student>hostname

```
Command Prompt

C:\Users\student>hostname
DESKTOP-HJ13MH2

C:\Users\student>_
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C:\Users\student>color help

```
C:\Users\student>color help
Sets the default console foreground and background colors.

COLOR [attr]

    attr          Specifies color attribute of console output

Color attributes are specified by TWO hex digits -- the first
corresponds to the background; the second the foreground.  Each digit
can be any of the following values:

    0 = Black      8 = Gray
    1 = Blue       9 = Light Blue
    2 = Green      A = Light Green
    3 = Aqua       B = Light Aqua
    4 = Red        C = Light Red
    5 = Purple     D = Light Purple
    6 = Yellow     E = Light Yellow
    7 = White      F = Bright White

If no argument is given, this command restores the color to what it was
when CMD.EXE started.  This value either comes from the current console
window, the /T command line switch or from the DefaultColor registry
value.

The COLOR command sets ERRORLEVEL to 1 if an attempt is made to execute
the COLOR command with a foreground and background color that are the
same.

Example: "COLOR fc" produces light red on bright white
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C:\Users\student>ipconfig

```
C:\Users\student>ipconfig

Windows IP Configuration

Ethernet adapter Npcap Loopback Adapter:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::2888:c64f:fc72:ef5c%6
    Autoconfiguration IPv4 Address. . : 169.254.239.92
    Subnet Mask . . . . . : 255.255.0.0
    Default Gateway . . . . . : 

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::a438:e73a:357b:bd94%15
    IPv4 Address. . . . . : 192.168.6.4
    Subnet Mask . . . . . : 255.255.0.0
    Default Gateway . . . . . : 192.168.1.251

C:\Users\student>
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C:\Users\student>ipconfig/all

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Command Prompt
C:\Users\student>ipconfig/all

Windows IP Configuration

Host Name . . . . . : DESKTOP-H13MH2
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No

Ethernet adapter Npcap Loopback Adapter:

Connection-specific DNS Suffix . . :
Description . . . . . : Npcap Loopback Adapter
Physical Address. . . . . : 02-00-4C-4F-50
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::2888:c64f:fc72:ef5c%6(Preferred)
Autoconfiguration IPv4 Address. . . : 169.254.239.92(Preferred)
Subnet Mask . . . . . : 255.255.0.0
Default Gateway . . . . . :
DHCPv6 IAID . . . . . : 302121036
DHCPv6 Client DUID. . . . . : 00-01-00-01-27-E3-C1-1F-7C-05-07-26-6B-EB
DNS Servers . . . . . : fec0:0:0:ffff::1%1
                          fec0:0:0:ffff::2%1
                          fec0:0:0:ffff::3%1
NetBIOS over Tcpip. . . . . : Enabled

Ethernet adapter Ethernet:

Connection-specific DNS Suffix . . :
Description . . . . . : Qualcomm Atheros AR8152 PCI-E Fast Ethernet Controller (NDIS 6.30)
Physical Address. . . . . : 7C-05-07-26-6B-EB
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::a438:e73a:357b:bd94%15(Preferred)
IPv4 Address. . . . . : 192.168.6.4(Preferred)
Subnet Mask . . . . . : 255.255.0.0
Default Gateway . . . . . : 192.168.1.251
DNS Servers . . . . . : 192.168.1.251
                          8.8.8.8
NetBIOS over Tcpip. . . . . : Enabled

C:\Users\student>
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C:\Users\student>nslookup

```
Select Command Prompt - nslookup

C:\Users\student>nslookup
Default Server: UnKnown
Address: 192.168.1.251

> www.irc.tc
Server: UnKnown
Address: 192.168.1.251

Non-authoritative answer:
Name: www.irc.tc
Address: 103.116.163.23

> www.google.com
Server: UnKnown
Address: 192.168.1.251

Non-authoritative answer:
Name: www.google.com
Addresses: 2404:6800:4002:82f::2004
          142.250.194.36

> www.github.com
Server: UnKnown
Address: 192.168.1.251

Non-authoritative answer:
Name: github.com
Address: 13.234.210.38
Aliases: www.github.com

> www.niet.com
Server: UnKnown
Address: 192.168.1.251

Non-authoritative answer:
Name: crs.ultradns.net
Address: 204.74.99.100
Aliases: www.niet.com
```

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

```
Command Prompt

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

Pinging www.google.com [142.250.194.36] with 32 bytes of data:
Reply from 142.250.194.36: bytes=32 time=25ms TTL=114
Reply from 142.250.194.36: bytes=32 time=22ms TTL=114
Reply from 142.250.194.36: bytes=32 time=23ms TTL=114
Reply from 142.250.194.36: bytes=32 time=22ms TTL=114

Ping statistics for 142.250.194.36:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 22ms, Maximum = 25ms, Average = 23ms
```

C:\Users\student>tracert [www.github.com](https://www.github.com)

```
Command Prompt

C:\Users\student>tracert www.github.com

Tracing route to github.com [13.234.210.38]
over a maximum of 30 hops:

  0  <1 ms    <1 ms    <1 ms    192.168.1.251
  1  1 ms     1 ms     1 ms     103.101.119.65
  2  *        *        *        102.42.88.9
  3  1 ms     2 ms     1 ms     10.250.250.33
  4  1 ms     1 ms     1 ms     99.83.91.30
  5  1 ms     1 ms     1 ms     150.222.217.148
  6  1 ms     1 ms     1 ms     150.222.217.159
  7  *        *        *        Request timed out.
  8  19 ms    22 ms    19 ms    54.239.45.98
  9  *        *        *        Request timed out.
 10  29 ms    30 ms    28 ms    52.95.67.36
 11  29 ms    28 ms    24 ms    52.95.64.226
 12  29 ms    28 ms    27 ms    52.95.64.231
 13  30 ms    29 ms    26 ms    99.83.77.15
 14  26 ms    24 ms    22 ms    99.83.77.24
 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  18 ms    18 ms    18 ms    ec2-13-234-210-38.ap-south-1.compute.amazonaws.com [13.234.210.38]

Trace complete.

C:\Users\student>
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C:\Users\student>systeminfo

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Command Prompt

 4      1 ms      2 ms      1 ms      10.250.250.33
 5      1 ms      1 ms      1 ms      99.83.91.30
 6      1 ms      1 ms      1 ms      150.222.217.148
 7      1 ms      1 ms      1 ms      150.222.217.159
 8      *          *          *          Request timed out.
 9     19 ms     22 ms     19 ms     54.239.45.98
10      *          *          *          Request timed out.
11     29 ms     30 ms     28 ms     52.95.67.36
12     29 ms     28 ms     24 ms     52.95.64.226
13     29 ms     28 ms     27 ms     52.95.64.231
14     30 ms     29 ms     26 ms     99.83.77.15
15     26 ms     24 ms     22 ms     99.83.77.24
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     18 ms     18 ms     18 ms     ec2-13-234-210-38.ap-south-1.compute.amazonaws.com [13.234.210.38]

Trace complete.
```

C:\Users\student>systeminfo

```
Host Name:                DESKTOP-HJ13MH2
OS Name:                  Microsoft Windows 10 Pro
OS Version:               10.0.19044 N/A Build 19044
OS Manufacturer:         Microsoft Corporation
OS Configuration:        Standalone Workstation
OS Build Type:             Multiprocessor Free
Registered Owner:         Windows User
Registered Organization:
Product ID:                00331-20000-00000-AA660
Original Install Date:     9/22/2021, 9:57:08 AM
System Boot Time:          2/14/2022, 12:15:30 PM
System Manufacturer:       Hewlett-Packard
System Model:              p2-127511
System Type:               x64-based PC
Processor(s):              1 Processor(s) Installed.
                           [01]: Intel64 Family 6 Model 58 Stepping 9 GenuineIntel ~2800 Mhz
BIOS Version:              AMI 7.13, 3/4/2013
Windows Directory:         C:\WINDOWS
System Directory:          C:\WINDOWS\system32
```

```
Boot Device:              \Device\HarddiskVolume1
System Locale:             en-us;English (United States)
Input Locale:              en-us;English (United States)
Time Zone:                 (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
Total Physical Memory:     3,985 MB
Available Physical Memory: 1,571 MB
Virtual Memory: Max Size: 4,689 MB
Virtual Memory: Available: 1,436 MB
Virtual Memory: In Use:    3,253 MB
Page File Location(s):     C:\pagefile.sys
Domain:                    WORKGROUP
Logon Server:              \\DESKTOP-HJ13MH2
Hotfix(s):                 10 Hotfix(s) Installed.
                           [01]: KB5008876
                           [02]: KB4562830
                           [03]: KB4570334
                           [04]: KB4580325
                           [05]: KB4586864
                           [06]: KB5003791
                           [07]: KB5009543
                           [08]: KB5006753
                           [09]: KB5007273
                           [10]: KB5005609
Network Card(s):           2 NIC(s) Installed.
                           [01]: Qualcomm Atheros AR8152 PCI-E Fast Ethernet Controller (NDIS 6.30)
                               Connection Name: Ethernet
                               DHCP Enabled:    No
                               IP address(es)
                               [01]: 192.168.6.4
                               [02]: fe80::a438:e73a:357b:bd94
                           [02]: Microsoft KM-TEST Loopback Adapter
                               Connection Name: Npcap Loopback Adapter
                               DHCP Enabled:    Yes
                               DHCP Server:     255.255.255.255
                               IP address(es)
                               [01]: 169.254.239.92
                               [02]: fe80::2888:c64f:fc72:ef5c
Hyper-V Requirements:      VM Monitor Mode Extensions: Yes
                           Virtualization Enabled In Firmware: No
                           Second Level Address Translation: Yes
                           Data Execution Prevention Available: Yes
```

C:\Users\student>netstat

```
Select Command Prompt - netstat

C:\Users\student>netstat

Active Connections

 Proto Local Address           Foreign Address         State
 TCP    192.168.6.4:7680        DESKTOP-HJ13MH2:58758  TIME_WAIT
 TCP    192.168.6.4:7680        192.168.23.180:50836   TIME_WAIT
 TCP    192.168.6.4:7680        192.168.29.99:50530    TIME_WAIT
 TCP    192.168.6.4:51218       20.197.71.89:https     ESTABLISHED
 TCP    192.168.6.4:51325       a104-91-65-78:http     TIME_WAIT
 TCP    192.168.6.4:51334       192.168.15.107:icslap  TIME_WAIT
 TCP    192.168.6.4:51335       192.168.30.135:7680    TIME_WAIT
 TCP    192.168.6.4:51338       40.74.108.123:https    TIME_WAIT
```