

## Question 1

```
C:\Windows\system32\cmd.exe
Folder PATH listing for volume New Volume
Volume serial number is 727B-9F76
D:.\
├──ANIMALS
│   ├──MAMMALS
│   │   ├──CATS
│   │   └──DOGS
│   └──REPTILES
│       ├──SNAKES
│       └──TURTLES
└──PLANTS
    ├──HERBS
    ├──TREES
    │   ├──OAK
    │   └──PECAN
    └──VEGETABLES
        └──TOMATOES
Press any key to continue . . .
```

## Question 2

cmd C:\Windows\system32\cmd.exe

Microsoft Windows [Version 10.0.19045.3393]  
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C:\Users\Muhammad Husnain>ipconfig /all

### Windows IP Configuration

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

### Ethernet adapter Ethernet:

Media State . . . . . : Media disconnected  
Connection-specific DNS Suffix . :  
Description . . . . . : Realtek PCIe GbE Family Controller  
Physical Address. . . . . : 98-E7-F4-51-BF-B7  
DHCP Enabled. . . . . : Yes  
Autoconfiguration Enabled . . . . : Yes

### Wireless LAN adapter Local Area Connection\* 1:

Media State . . . . . : Media disconnected  
Connection-specific DNS Suffix . :  
Description . . . . . : Microsoft Wi-Fi Direct Virtual Adapter  
Physical Address. . . . . : 56-8C-A0-05-D6-7B  
DHCP Enabled. . . . . : Yes  
Autoconfiguration Enabled . . . . : Yes

### Wireless LAN adapter Local Area Connection\* 10:

Media State . . . . . : Media disconnected  
Connection-specific DNS Suffix . :  
Description . . . . . : Microsoft Wi-Fi Direct Virtual Adapter #2  
Physical Address. . . . . : 54-8C-A0-05-D6-7B  
DHCP Enabled. . . . . : Yes  
Autoconfiguration Enabled . . . . : Yes

## ICT LAB-04

**Name:** Shah Hunain

**Roll Number:** 23k-3032

Wireless LAN adapter Local Area Connection\* 10:

```
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . : 
Description . . . . . : Microsoft Wi-Fi Direct Virtual Adapter #2
Physical Address. . . . . : 54-8C-A0-05-D6-7B
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
```

Wireless LAN adapter WiFi:

```
Connection-specific DNS Suffix . : 
Description . . . . . : Realtek RTL8188EE 802.11 bgn Wi-Fi Adapter
Physical Address. . . . . : 54-8C-A0-05-D6-7B
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::92de:8d15:d701:4dc4%17(Preferred)
IPv4 Address. . . . . : 192.168.1.106(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Lease Obtained. . . . . : Friday, September 15, 2023 2:26:45 PM
Lease Expires . . . . . : Friday, September 15, 2023 4:26:44 PM
Default Gateway . . . . . : 192.168.1.1
DHCP Server . . . . . : 192.168.1.1
DHCPv6 IAID . . . . . : 273976480
DHCPv6 Client DUID. . . . . : 00-01-00-01-2C-76-CA-53-98-E7-F4-51-BF-B7
DNS Servers . . . . . : 192.168.1.1
NetBIOS over Tcpip. . . . . : Enabled
```

C:\Users\Muhammad Husnain>

### **Question 3**

```
Microsoft Windows [Version 10.0.19045.3393]
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C:\Users\Muhammad Husnain>ping nu.edu.pk

Pinging nu.edu.pk [203.124.44.78] with 32 bytes of data:
Request timed out.
Request timed out.
```

**Question 4**

```
Microsoft Windows [Version 10.0.19045.3393]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Muhammad Husnain>systeminfo

Host Name:                HUNAIN
OS Name:                   Microsoft Windows 10 Pro
OS Version:                10.0.19045 N/A Build 19045
OS Manufacturer:          Microsoft Corporation
OS Configuration:          Standalone Workstation
OS Build Type:              Multiprocessor Free
Registered Owner:          Muhammad Husnain
Registered Organization:
Product ID:                 00330-80000-00000-AA904
Original Install Date:      8/23/2023, 12:38:22 AM
System Boot Time:           9/7/2023, 2:15:36 AM
System Manufacturer:        HP
System Model:               HP ProBook 450 G3
System Type:                x64-based PC
Processor(s):               1 Processor(s) Installed.
                           [01]: Intel64 Family 6 Model 78 Stepping 3 GenuineIntel ~2300 Mhz
BIOS Version:               HP N78 Ver. 01.12, 6/14/2016
Windows Directory:          C:\Windows
System Directory:            C:\Windows\system32
Boot Device:                 \Device\HarddiskVolume3
System Locale:                en-gb;English (United Kingdom)
Input Locale:                 en-us;English (United States)
Time Zone:                   (UTC+05:00) Islamabad, Karachi
Total Physical Memory:       8,089 MB
Available Physical Memory:   3,774 MB
Virtual Memory: Max Size:    9,369 MB
Virtual Memory: Available:   4,718 MB
Virtual Memory: In Use:      4,651 MB
Page File Location(s):       C:\pagefile.sys
Domain:                       WORKGROUP
Logon Server:                 \\HUNAIN
Hotfix(s):                    9 Hotfix(s) Installed.
                           [01]: KB5029716
                           [02]: KB5029714
                           [03]: KB5011048
                           [04]: KB5015684
                           [05]: KB5029331
                           [06]: KB5014032
                           [07]: KB5016705
```

## ICT LAB-04

**Name:** Shah Hunain

**Roll Number:** 23k-3032

```
Network Card(s): [08]: KB5028380
                  [09]: KB5029709
                  2 NIC(s) Installed.
                  [01]: Realtek RTL8188EE 802.11 bgn Wi-Fi Adapter
                     Connection Name: WiFi
                     DHCP Enabled: Yes
                     DHCP Server: 192.168.1.1
                     IP address(es)
                     [01]: 192.168.1.106
                     [02]: fe80::92de:8d15:d701:4dc4
                  [02]: Realtek PCIe GbE Family Controller
                     Connection Name: Ethernet
                     Status: Media disconnected

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\Muhammad Husnain>
```

### Question 5

```
cmd C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.3393]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Muhammad Husnain>where calc
C:\Windows\System32\calc.exe

C:\Users\Muhammad Husnain>
```

### Question 6

```
cmd C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.3393]
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C:\Users\Muhammad Husnain>prompt 23k-3032$G
23k-3032>
```