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CS610 Assignment

Both Question Requires CMD.

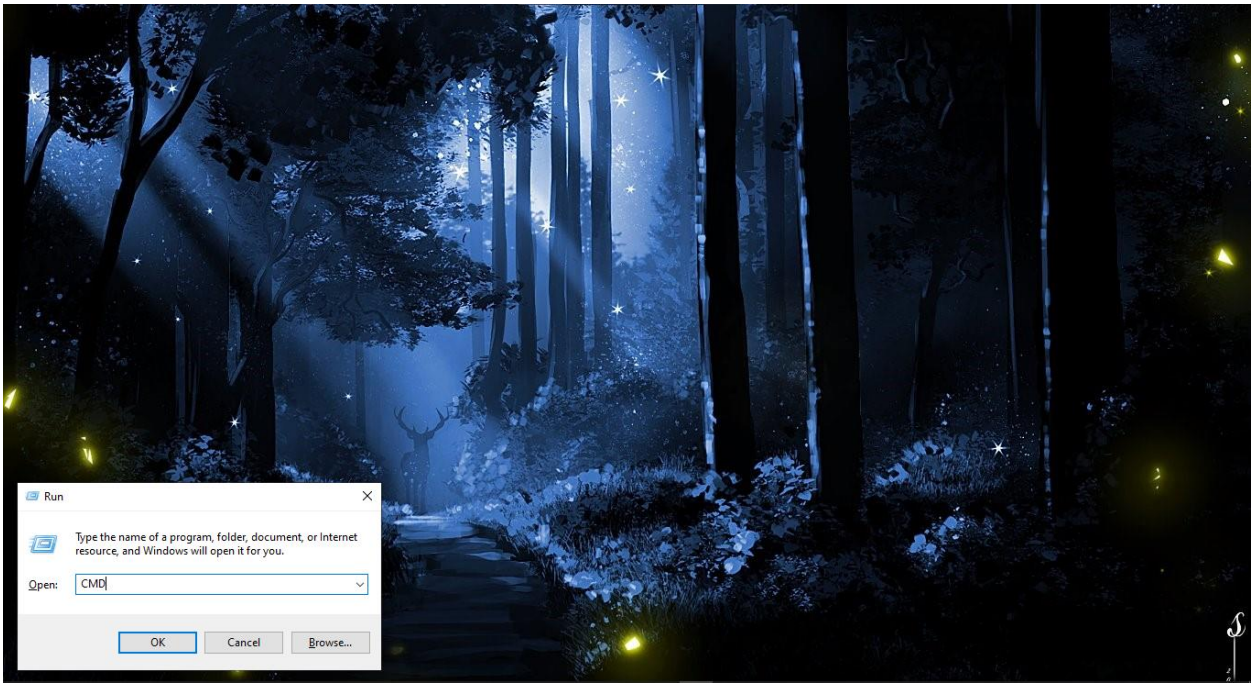
How to open CMD?

Press window Key + R from your computer

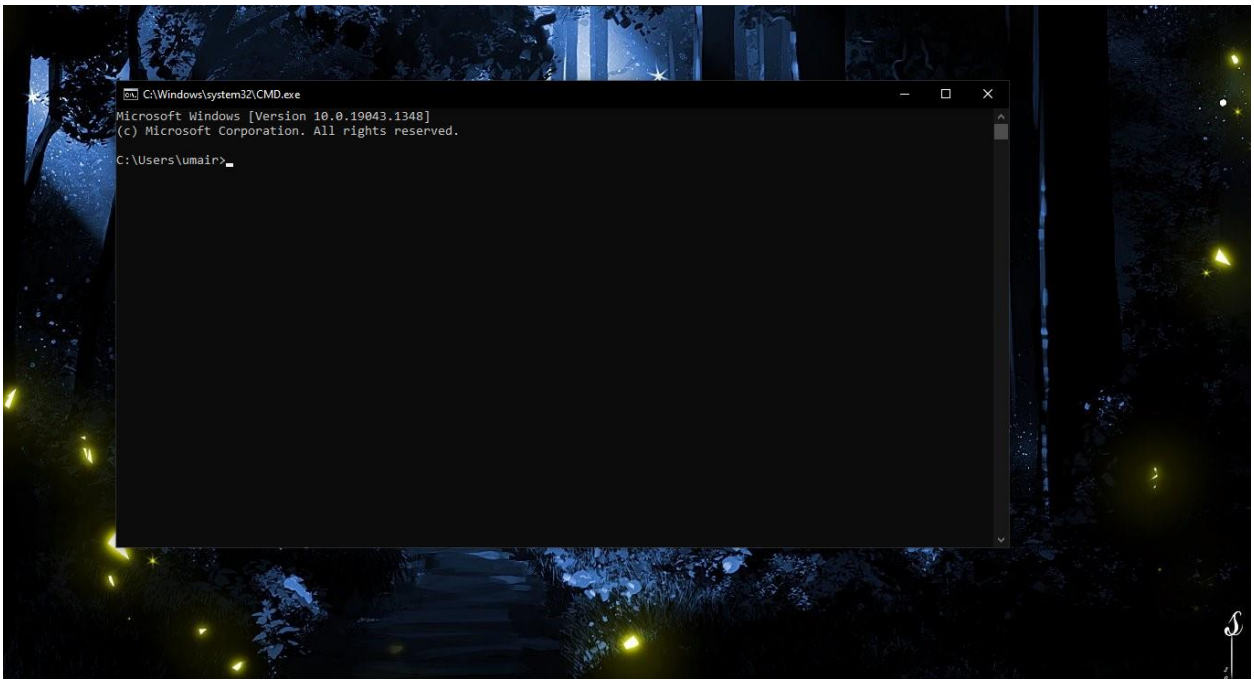


it will open tool "Run" as shown below then type CMD and hit enter.

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It will open CMD.



Now You know how to open it. 😁

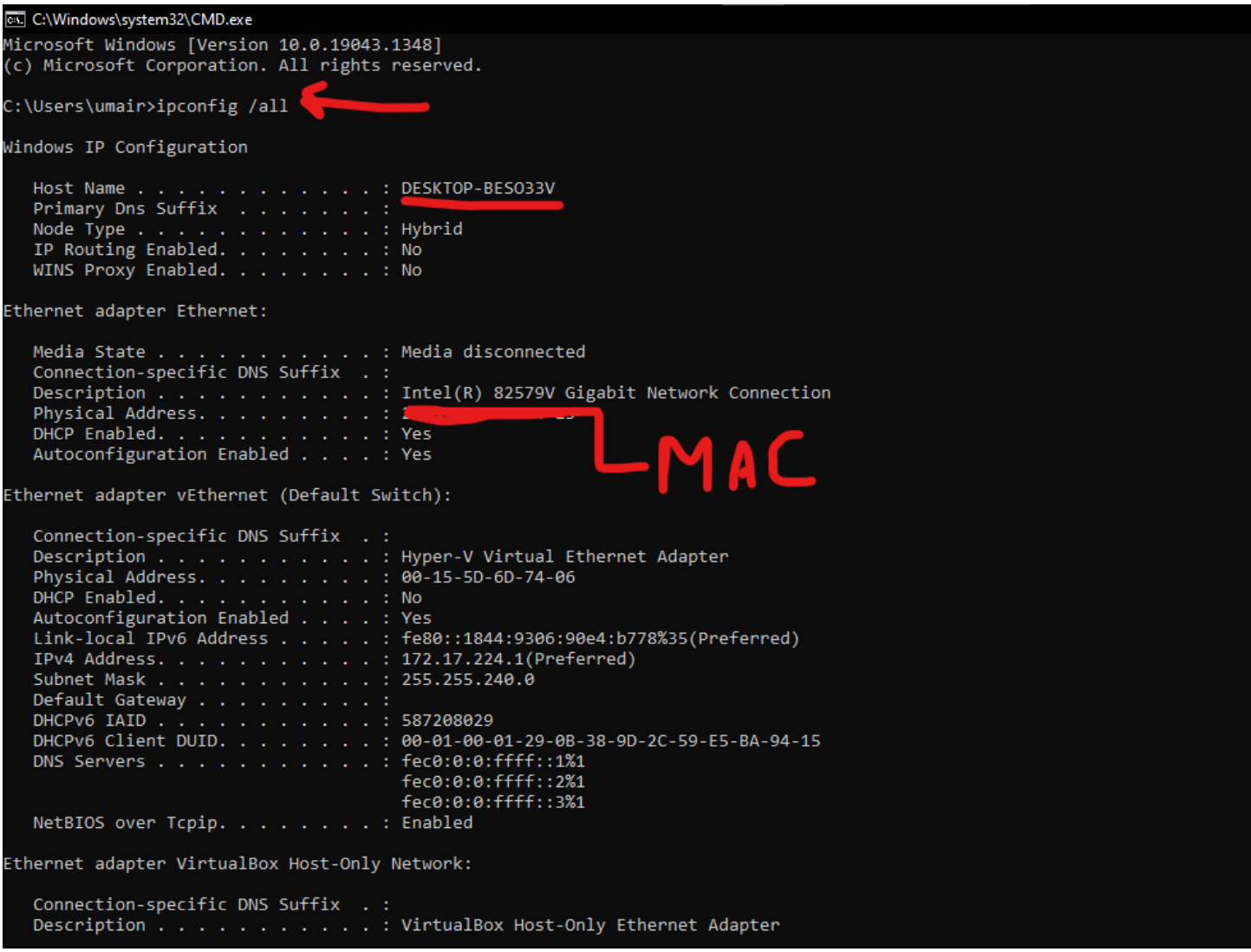
In question #1 you have to run the command to get hostname, IP, MAC address.

I hope your CMD is still open from earlier when we were learning how to open it. If you close you have to open it again.

Here is the command.

```
ipconfig /all
```

bellow is the screen of the output of the command mention above.
I have other tools installed in my machine so the information you are seeing in the screen shot may not same for you when you run.
I have highlighted the important things which need in your assignment.



```
Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   Description . . . . . . . . . . . : Intel(R) Centrino(R) Advanced-N 6205
   Physical Address. . . . . . . . . : [redacted] MAC
   DHCP Enabled. . . . . . . . . . . : Yes
   Autoconfiguration Enabled . . . . : Yes
   Link-local IPv6 Address . . . . . : fe80::98d3:2ba5:3a94:dfac%9(Preferred)
   IPv4 Address. . . . . . . . . . . : [redacted](Preferred)
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Lease Obtained. . . . . . . . . . : Saturday, December 4, 2021 12:09:51 PM
   Lease Expires . . . . . . . . . . : Sunday, December 5, 2021 3:06:58 PM
   Default Gateway . . . . . . . . . : 192.168.0.1
   DHCP Server . . . . . . . . . . . : 192.168.0.1
   DHCPv6 IAID . . . . . . . . . . . : 90998804
   DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-29-0B-38-9D-2C-59-E5-BA-94-15
   DNS Servers . . . . . . . . . . . : 192.168.1.1
   NetBIOS over Tcpip. . . . . . . . : Enabled
```

In question #2 you have to send ping at owc.vu.edu.pk 2 ICMP and 20-byte size

Command

ping ocw.vu.edu.pk -l 20 -n 2

```
C:\Users\umair>ping ocw.vu.edu.pk -l 20 -n 2

Pinging dl-lms.vu.edu.pk [111.68.103.34] with 20 bytes of data:
Reply from 111.68.103.34: bytes=20 time=25ms TTL=54
Reply from 111.68.103.34: bytes=20 time=24ms TTL=54

Ping statistics for 111.68.103.34:
    Packets: Sent = 2, Received = 2, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 24ms, Maximum = 25ms, Average = 24ms

C:\Users\umair>_
```

Explanation:

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ping ocw.vu.edu.pk will send ping 4 ICMP Echo Request Messages with 32 Byte packet size.

First tell the to send 20-byte packet size

-l change the size of packet in bytes.

ping ocw.vu.edu.pk -l 20

then we have to send 2 requests here

-n is used to tell the number of requests we want to send in this case 2

ping ocw.vu.edu.pk -l 20 -n 2

Run the command on your side take the screen shot and send it as mentioned in the assignment.

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