

سوال 1:

```
C:\Users\hoori>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

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

Unknown adapter ProtonVPN TUN:

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

Unknown adapter Local Area Connection 4:

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

Ethernet adapter Ethernet 2:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::1304:1ae3:7bfc:5492%13
    IPv4 Address. . . . . : 192.168.56.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :

Unknown adapter Local Area Connection:

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

Unknown adapter Local Area Connection 2:

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

Unknown adapter Local Area Connection 3:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :
```

```

Wireless LAN adapter Local Area Connection* 1:

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

Wireless LAN adapter Local Area Connection* 2:

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

Ethernet adapter VMware Network Adapter VMnet1:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::4660:13f7:d5e6:8a7e%19
    IPv4 Address. . . . . : 192.168.255.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :

Ethernet adapter VMware Network Adapter VMnet8:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::e578:1f24:5ca4:ae9b%24
    IPv4 Address. . . . . : 192.168.30.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :

Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix  . :
    IPv4 Address. . . . . : 192.168.1.9
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1

Ethernet adapter Bluetooth Network Connection:

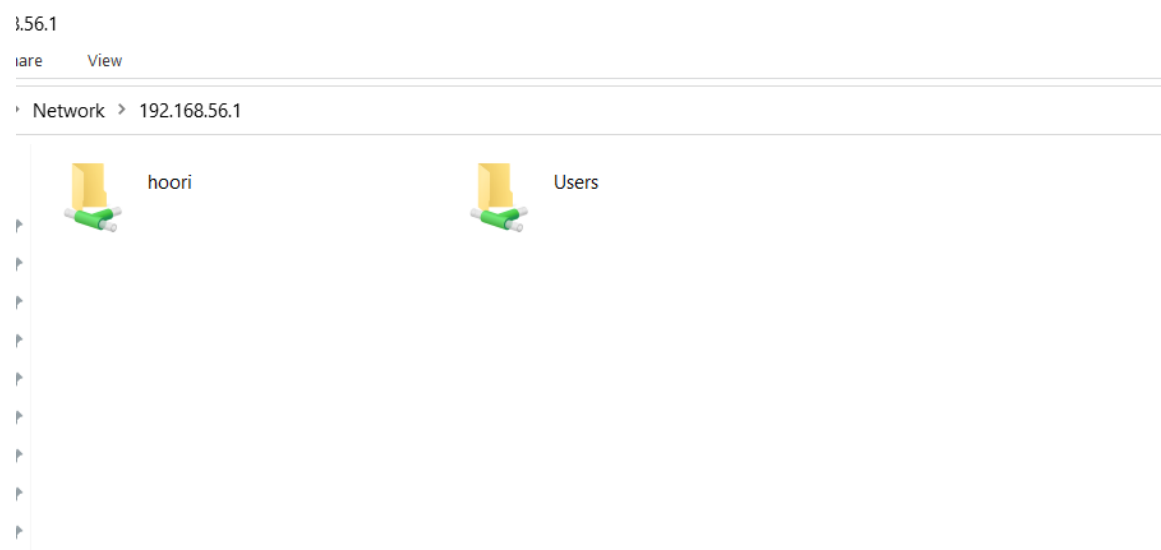
    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

C:\Users\hoori>

```

از کلاس C هستند

سوال 2:



سوال 3:

الف: ادرس سيستم : 192.168.56.1

Ethernet adapter Ethernet 2:

```
Connection-specific DNS Suffix . :  
Link-local IPv6 Address . . . . . : fe80::1304:1ae3:7bfc:5492%13  
IPv4 Address. . . . . : 192.168.56.1  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . :
```

ب: به صورت اتوماتیک

ابتدا دستور ipconfig -all رو می زنیم

Ethernet adapter Ethernet 2:

```
Connection-specific DNS Suffix . :  
Description . . . . . : VirtualBox Host-Only Ethernet Adapter  
Physical Address. . . . . : 0A-00-27-00-00-0D  
DHCP Enabled. . . . . : No  
Autoconfiguration Enabled . . . . : Yes  
Link-local IPv6 Address . . . . . : fe80::1304:1ae3:7bfc:5492%13(Preferred)  
IPv4 Address. . . . . : 192.168.56.1(Preferred)  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . :  
DHCPv6 IAID . . . . . : 956956711  
DHCPv6 Client DUID. . . . . : 00-01-00-01-2A-4E-D3-E7-80-CE-62-D3-A4-FA  
DNS Servers . . . . . : fec0:0:0:ffff::1%1  
                      : fec0:0:0:ffff::2%1  
                      : fec0:0:0:ffff::3%1  
NetBIOS over Tcpip. . . . . : Enabled
```

ج:

C:\Users\hoori>getmac

Physical Address	Transport Name
74-E5-F9-A2-F7-1F	\Device\Tcpip_{2636B41B-62A0-4198-AD8F-9F84D409EE40}
80-CE-62-D3-A4-FA	Media disconnected
74-E5-F9-A2-F7-23	Media disconnected
00-FF-49-25-39-57	Media disconnected
00-FF-BB-77-5F-2A	Media disconnected
N/A	Media disconnected
00-FF-3E-46-FD-00	Media disconnected
N/A	Media disconnected
00-50-56-C0-00-01	\Device\Tcpip_{B0C99D28-C38B-416C-A03B-9D81599AAA04}
00-50-56-C0-00-08	\Device\Tcpip_{F6FBAE72-A8D9-4309-A829-5CDBCDE5BF9E}
0A-00-27-00-00-0D	\Device\Tcpip_{90ADE353-9806-4939-8525-3252591B50CA}

سوال 4:

بخش اول: دستور `ping Another computer's IP` می زنیم مثلاً:

`ping 172.16.38.79`

بخش دوم: دستور `ping Another computer's IP -n 8` رو می زنیم مثلاً:

`ping 172.16.38.79 -n 8`

بخش سوم:

```
0A 00 27 00 00 00 (device \tcpip_{56A25333-5800-4533-8329-5252551836}

C:\Users\hoori>ping google.com

Pinging google.com [216.239.38.120] with 32 bytes of data:
Reply from 216.239.38.120: bytes=32 time=71ms TTL=111
Reply from 216.239.38.120: bytes=32 time=95ms TTL=111
Reply from 216.239.38.120: bytes=32 time=67ms TTL=111
Reply from 216.239.38.120: bytes=32 time=67ms TTL=111

Ping statistics for 216.239.38.120:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 67ms, Maximum = 95ms, Average = 75ms

C:\Users\hoori>
```

سوال 5:

(الف)

```
C:\Users\hoori>nslookup google.com
Server: UnKnown
Address: 192.168.1.1

Non-authoritative answer:
Name: google.com
Address: 216.239.38.120
```

```

C:\Users\hoori>nslookup yahoo.com
Server: UnKnown
Address: 192.168.1.1

Non-authoritative answer:
Name: yahoo.com
Addresses: 2001:4998:44:3507::8001
           2001:4998:24:120d::1:0
           2001:4998:24:120d::1:1
           2001:4998:124:1507::f000
           2001:4998:124:1507::f001
           2001:4998:44:3507::8000
           98.137.11.163
           74.6.231.20
           74.6.143.26
           74.6.143.25
           74.6.231.21
           98.137.11.164

```

(ب)

```

C:\Users\hoori>arp -a

Interface: 192.168.1.9 --- 0x4
    Internet Address      Physical Address      Type
192.168.1.1              54-e6-fc-f7-51-13    dynamic
192.168.1.255            ff-ff-ff-ff-ff-ff    static
224.0.0.22               01-00-5e-00-00-16    static
224.0.0.251              01-00-5e-00-00-fb    static
224.0.0.252              01-00-5e-00-00-fc    static
239.255.255.250          01-00-5e-7f-ff-fa    static
255.255.255.255          ff-ff-ff-ff-ff-ff    static

Interface: 192.168.56.1 --- 0xd
    Internet Address      Physical Address      Type
192.168.56.255           ff-ff-ff-ff-ff-ff    static
224.0.0.22               01-00-5e-00-00-16    static
224.0.0.251              01-00-5e-00-00-fb    static
224.0.0.252              01-00-5e-00-00-fc    static
239.255.255.250          01-00-5e-7f-ff-fa    static

Interface: 192.168.255.1 --- 0x13
    Internet Address      Physical Address      Type
192.168.255.254          00-50-56-fb-72-36    dynamic
192.168.255.255          ff-ff-ff-ff-ff-ff    static
224.0.0.22               01-00-5e-00-00-16    static
224.0.0.251              01-00-5e-00-00-fb    static
224.0.0.252              01-00-5e-00-00-fc    static
239.255.255.250          01-00-5e-7f-ff-fa    static
255.255.255.255          ff-ff-ff-ff-ff-ff    static

Interface: 192.168.30.1 --- 0x18
    Internet Address      Physical Address      Type
192.168.30.254           00-50-56-f7-e8-83    dynamic
192.168.30.255           ff-ff-ff-ff-ff-ff    static
224.0.0.22               01-00-5e-00-00-16    static
224.0.0.251              01-00-5e-00-00-fb    static
224.0.0.252              01-00-5e-00-00-fc    static
239.255.255.250          01-00-5e-7f-ff-fa    static
255.255.255.255          ff-ff-ff-ff-ff-ff    static

```

تحلیل: آبی آدرس رو به مک آدرس نگاشت میکنه و تایپشون هم نشون میده

C:\Users\hoori>netstat

Active Connections

Proto	Local Address	Foreign Address	State
TCP	127.0.0.1:9330	16:49916	ESTABLISHED
TCP	127.0.0.1:9330	16:49939	ESTABLISHED
TCP	127.0.0.1:9909	16:57185	ESTABLISHED
TCP	127.0.0.1:9909	16:59193	ESTABLISHED
TCP	127.0.0.1:9909	16:59198	ESTABLISHED
TCP	127.0.0.1:9909	16:59428	ESTABLISHED
TCP	127.0.0.1:9909	16:60032	ESTABLISHED
TCP	127.0.0.1:9909	16:60040	ESTABLISHED
TCP	127.0.0.1:9909	16:60283	ESTABLISHED
TCP	127.0.0.1:9909	16:60781	ESTABLISHED
TCP	127.0.0.1:9909	16:61135	ESTABLISHED
TCP	127.0.0.1:9909	16:61155	ESTABLISHED
TCP	127.0.0.1:9910	16:57184	ESTABLISHED
TCP	127.0.0.1:9910	16:58231	ESTABLISHED
TCP	127.0.0.1:9910	16:58262	ESTABLISHED
TCP	127.0.0.1:9910	16:59191	ESTABLISHED
TCP	127.0.0.1:9910	16:59197	ESTABLISHED
TCP	127.0.0.1:9910	16:59427	ESTABLISHED
TCP	127.0.0.1:9910	16:60031	ESTABLISHED
TCP	127.0.0.1:9910	16:60039	ESTABLISHED
TCP	127.0.0.1:9910	16:60093	ESTABLISHED
TCP	127.0.0.1:9910	16:60282	ESTABLISHED
TCP	127.0.0.1:9910	16:60780	ESTABLISHED
TCP	127.0.0.1:9910	16:61134	ESTABLISHED
TCP	127.0.0.1:9910	16:61153	ESTABLISHED
TCP	127.0.0.1:49671	16:49674	ESTABLISHED
TCP	127.0.0.1:49674	16:49671	ESTABLISHED
TCP	127.0.0.1:49675	16:49676	ESTABLISHED
TCP	127.0.0.1:49676	16:49675	ESTABLISHED
TCP	127.0.0.1:49870	16:49991	ESTABLISHED
TCP	127.0.0.1:49916	16:9330	ESTABLISHED
TCP	127.0.0.1:49939	16:9330	ESTABLISHED
TCP	127.0.0.1:49991	16:49870	ESTABLISHED
TCP	127.0.0.1:50041	16:54430	ESTABLISHED
TCP	127.0.0.1:54430	16:50041	ESTABLISHED
TCP	127.0.0.1:54465	16:54466	ESTABLISHED
TCP	127.0.0.1:54466	16:54465	ESTABLISHED
TCP	127.0.0.1:57184	16:9910	ESTABLISHED
TCP	127.0.0.1:57185	16:9909	ESTABLISHED

C:\Users\hoori>netstat -p

Active Connections

Proto	Local Address	Foreign Address	State
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C:\Users\hoori>netstat -n

Active Connections

Proto	Local Address	Foreign Address	State
TCP	127.0.0.1:9330	127.0.0.1:49916	ESTABLISHED
TCP	127.0.0.1:9330	127.0.0.1:49939	ESTABLISHED
TCP	127.0.0.1:9909	127.0.0.1:57185	TIME_WAIT
TCP	127.0.0.1:9909	127.0.0.1:59193	ESTABLISHED
TCP	127.0.0.1:9909	127.0.0.1:59198	ESTABLISHED
TCP	127.0.0.1:9909	127.0.0.1:60032	ESTABLISHED
TCP	127.0.0.1:9909	127.0.0.1:60040	ESTABLISHED
TCP	127.0.0.1:9909	127.0.0.1:60283	ESTABLISHED
TCP	127.0.0.1:9909	127.0.0.1:61135	ESTABLISHED
TCP	127.0.0.1:9909	127.0.0.1:61155	ESTABLISHED
TCP	127.0.0.1:9909	127.0.0.1:61285	ESTABLISHED
TCP	127.0.0.1:9909	127.0.0.1:61346	ESTABLISHED
TCP	127.0.0.1:9909	127.0.0.1:61529	ESTABLISHED
TCP	127.0.0.1:9909	127.0.0.1:61728	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:58231	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:58262	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:59191	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:59197	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:60031	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:60039	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:60093	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:60282	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:61134	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:61153	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:61284	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:61345	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:61528	ESTABLISHED
TCP	127.0.0.1:9910	127.0.0.1:61726	ESTABLISHED
TCP	127.0.0.1:49671	127.0.0.1:49674	ESTABLISHED
TCP	127.0.0.1:49674	127.0.0.1:49671	ESTABLISHED
TCP	127.0.0.1:49675	127.0.0.1:49676	ESTABLISHED
TCP	127.0.0.1:49676	127.0.0.1:49675	ESTABLISHED
TCP	127.0.0.1:49870	127.0.0.1:49991	ESTABLISHED
TCP	127.0.0.1:49916	127.0.0.1:9330	ESTABLISHED
TCP	127.0.0.1:49939	127.0.0.1:9330	ESTABLISHED
TCP	127.0.0.1:49991	127.0.0.1:49870	ESTABLISHED
TCP	127.0.0.1:50041	127.0.0.1:54430	ESTABLISHED
TCP	127.0.0.1:54430	127.0.0.1:50041	ESTABLISHED
TCP	127.0.0.1:54465	127.0.0.1:54466	ESTABLISHED
TCP	127.0.0.1:54466	127.0.0.1:54465	ESTABLISHED
TCP	127.0.0.1:58231	127.0.0.1:9910	ESTABLISHED
TCP	127.0.0.1:58262	127.0.0.1:9910	ESTABLISHED

```
TCP 127.0.0.1:61400 C
C:\Users\hoori>netstat -a
```

Active Connections

Proto	Local Address	Foreign Address	State
TCP	0.0.0.0:135	bs:0	LISTENING
TCP	0.0.0.0:445	bs:0	LISTENING
TCP	0.0.0.0:623	bs:0	LISTENING
TCP	0.0.0.0:903	bs:0	LISTENING
TCP	0.0.0.0:913	bs:0	LISTENING
TCP	0.0.0.0:1433	bs:0	LISTENING
TCP	0.0.0.0:5040	bs:0	LISTENING
TCP	0.0.0.0:8501	bs:0	LISTENING
TCP	0.0.0.0:9330	bs:0	LISTENING
TCP	0.0.0.0:16992	bs:0	LISTENING
TCP	0.0.0.0:49664	bs:0	LISTENING
TCP	0.0.0.0:49665	bs:0	LISTENING
TCP	0.0.0.0:49666	bs:0	LISTENING
TCP	0.0.0.0:49667	bs:0	LISTENING
TCP	0.0.0.0:49668	bs:0	LISTENING
TCP	0.0.0.0:49669	bs:0	LISTENING
TCP	0.0.0.0:49670	bs:0	LISTENING
TCP	127.0.0.1:1001	bs:0	LISTENING
TCP	127.0.0.1:1434	bs:0	LISTENING
TCP	127.0.0.1:5678	bs:0	LISTENING
TCP	127.0.0.1:9330	16:49916	ESTABLISHED
TCP	127.0.0.1:9330	16:49939	ESTABLISHED
TCP	127.0.0.1:9809	bs:0	LISTENING
TCP	127.0.0.1:9909	bs:0	LISTENING
TCP	127.0.0.1:9909	16:57185	TIME_WAIT
TCP	127.0.0.1:9909	16:59193	ESTABLISHED
TCP	127.0.0.1:9909	16:59198	ESTABLISHED
TCP	127.0.0.1:9909	16:60032	ESTABLISHED
TCP	127.0.0.1:9909	16:60040	ESTABLISHED
TCP	127.0.0.1:9909	16:60283	ESTABLISHED
TCP	127.0.0.1:9909	16:61135	ESTABLISHED
TCP	127.0.0.1:9909	16:61155	ESTABLISHED
TCP	127.0.0.1:9909	16:61346	ESTABLISHED
TCP	127.0.0.1:9909	16:61529	ESTABLISHED
TCP	127.0.0.1:9909	16:61728	ESTABLISHED
TCP	127.0.0.1:9910	bs:0	LISTENING
TCP	127.0.0.1:9910	16:58231	ESTABLISHED
TCP	127.0.0.1:9910	16:58262	ESTABLISHED
TCP	127.0.0.1:9910	16:59191	ESTABLISHED
TCP	127.0.0.1:9910	16:59197	ESTABLISHED
TCP	127.0.0.1:9910	16:60031	ESTABLISHED
TCP	127.0.0.1:9910	16:60039	ESTABLISHED

(ت)


```
C:\Users\hoori\Desktop\Apps\WhoIs>whois google.com
```

```
Whois v1.21 - Domain information lookup  
Copyright (C) 2005-2019 Mark Russinovich  
Sysinternals - www.sysinternals.com
```

```
Connecting to COM.whois-servers.net...
```

```
WHOIS Server: whois.markmonitor.com
```

```
Registrar URL: http://www.markmonitor.com  
Updated Date: 2019-09-09T15:39:04Z  
Creation Date: 1997-09-15T04:00:00Z  
Registry Expiry Date: 2028-09-14T04:00:00Z  
Registrar: MarkMonitor Inc.  
Registrar IANA ID: 292  
Registrar Abuse Contact Email: abusecomplaints@markmonitor.com  
Registrar Abuse Contact Phone: +1.2086851750  
Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited  
Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited  
Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited  
Domain Status: serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited  
Domain Status: serverTransferProhibited https://icann.org/epp#serverTransferProhibited  
Domain Status: serverUpdateProhibited https://icann.org/epp#serverUpdateProhibited  
Name Server: NS1.GOOGLE.COM  
Name Server: NS2.GOOGLE.COM  
Name Server: NS3.GOOGLE.COM  
Name Server: NS4.GOOGLE.COM  
DNSSEC: unsigned  
URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/  
>>> Last update of whois database: 2023-02-12T12:27:42Z <<<
```

```
For more information on Whois status codes, please visit https://icann.org/epp
```

```
NOTICE: The expiration date displayed in this record is the date the  
registrar's sponsorship of the domain name registration in the registry is  
currently set to expire. This date does not necessarily reflect the expiration  
date of the domain name registrant's agreement with the sponsoring  
registrar. Users may consult the sponsoring registrar's Whois database to  
view the registrar's reported date of expiration for this registration.
```

```
TERMS OF USE: You are not authorized to access or query our Whois  
database through the use of electronic processes that are high-volume and  
automated except as reasonably necessary to register domain names or  
modify existing registrations; the Data in VeriSign Global Registry  
Services' ("VeriSign") Whois database is provided by VeriSign for  
information purposes only, and to assist persons in obtaining information  
about or related to a domain name registration record. VeriSign does not  
guarantee its accuracy. By submitting a Whois query, you agree to abide  
by the following terms of use: You agree that you may use this Data only
```

```
information purposes only, and to assist persons in obtaining information  
about or related to a domain name registration record. VeriSign does not  
guarantee its accuracy. By submitting a Whois query, you agree to abide  
by the following terms of use: You agree that you may use this Data only  
for lawful purposes and that under no circumstances will you use this Data  
to: (1) allow, enable, or otherwise support the transmission of mass  
unsolicited, commercial advertising or solicitations via e-mail, telephone,  
or facsimile; or (2) enable high volume, automated, electronic processes  
that apply to VeriSign (or its computer systems). The compilation,  
repackaging, dissemination or other use of this Data is expressly  
prohibited without the prior written consent of VeriSign. You agree not to  
use electronic processes that are automated and high-volume to access or  
query the Whois database except as reasonably necessary to register  
domain names or modify existing registrations. VeriSign reserves the right  
to restrict your access to the Whois database in its sole discretion to ensure  
operational stability. VeriSign may restrict or terminate your access to the  
Whois database for failure to abide by these terms of use. VeriSign  
reserves the right to modify these terms at any time.
```

```
The Registry database contains ONLY .COM, .NET, .EDU domains and  
Registrars.
```

```
Connecting to whois.markmonitor.com...
```

```
WHOIS Server: whois.markmonitor.com
```

```
Registrar URL: http://www.markmonitor.com  
Updated Date: 2019-09-09T15:39:04+0000  
Creation Date: 1997-09-15T07:00:00+0000  
Registrar Registration Expiration Date: 2028-09-13T07:00:00+0000  
Registrar: MarkMonitor, Inc.  
Registrar IANA ID: 292  
Registrar Abuse Contact Email: abusecomplaints@markmonitor.com  
Registrar Abuse Contact Phone: +1.2086851750  
Domain Status: clientUpdateProhibited (https://www.icann.org/epp#clientUpdateProhibited)  
Domain Status: clientTransferProhibited (https://www.icann.org/epp#clientTransferProhibited)  
Domain Status: clientDeleteProhibited (https://www.icann.org/epp#clientDeleteProhibited)  
Domain Status: serverUpdateProhibited (https://www.icann.org/epp#serverUpdateProhibited)  
Domain Status: serverTransferProhibited (https://www.icann.org/epp#serverTransferProhibited)  
Domain Status: serverDeleteProhibited (https://www.icann.org/epp#serverDeleteProhibited)  
Registrant Organization: Google LLC  
Registrant State/Province: CA  
Registrant Country: US  
Registrant Email: Select Request Email Form at https://domains.markmonitor.com/whois/google.com  
Admin Organization: Google LLC  
Admin State/Province: CA  
Admin Country: US  
Admin Email: Select Request Email Form at https://domains.markmonitor.com/whois/google.com  
Tech Organization: Google LLC  
Tech State/Province: CA  
Tech Country: US
```

Domain Status: serverTransferProhibited (<https://www.icann.org/epp#serverTransferProhibited>)
Domain Status: serverDeleteProhibited (<https://www.icann.org/epp#serverDeleteProhibited>)
Registrant Organization: Google LLC
Registrant State/Province: CA
Registrant Country: US
Registrant Email: Select Request Email Form at <https://domains.markmonitor.com/whois/google.com>
Admin Organization: Google LLC
Admin State/Province: CA
Admin Country: US
Admin Email: Select Request Email Form at <https://domains.markmonitor.com/whois/google.com>
Tech Organization: Google LLC
Tech State/Province: CA
Tech Country: US
Tech Email: Select Request Email Form at <https://domains.markmonitor.com/whois/google.com>
Name Server: ns2.google.com
Name Server: ns3.google.com
Name Server: ns4.google.com
Name Server: ns1.google.com
DNSSEC: unsigned
URL of the ICANN WHOIS Data Problem Reporting System: <http://wdprs.internic.net/>
>>> Last update of WHOIS database: 2023-02-12T12:20:01+0000 <<<

For more information on WHOIS status codes, please visit:
<https://www.icann.org/resources/pages/epp-status-codes>

If you wish to contact this domain's Registrant, Administrative, or Technical contact, and such email address is not visible above, you may do so via our web form, pursuant to ICANN's Temporary Specification. To verify that you are not a robot, please enter your email address to receive a link to a page that facilitates email communication with the relevant contact(s).

Web-based WHOIS:
<https://domains.markmonitor.com/whois>

If you have a legitimate interest in viewing the non-public WHOIS details, send your request and the reasons for your request to whoisrequest@markmonitor.com and specify the domain name in the subject line. We will review that request and may ask for supporting documentation and explanation.

The data in MarkMonitor's WHOIS database is provided for information purposes, and to assist persons in obtaining information about or related to a domain name's registration record. While MarkMonitor believes the data to be accurate, the data is provided "as is" with no guarantee or warranties regarding its accuracy.

By submitting a WHOIS query, you agree that you will use this data only for lawful purposes and that, under no circumstances will you use this data to:

- (1) allow, enable, or otherwise support the transmission by email, telephone, or facsimile of mass, unsolicited, commercial advertising, or spam; or
- (2) enable high volume, automated, or electronic processes that send queries,

data, or email to MarkMonitor (or its systems) or the domain name contacts (or its systems).

MarkMonitor reserves the right to modify these terms at any time.

By submitting this query, you agree to abide by this policy.

MarkMonitor Domain Management(TM)
Protecting companies and consumers in a digital world.

Visit MarkMonitor at <https://www.markmonitor.com>

Contact us at +1.800.745.9229
In Europe, at +44.0203.2062.220

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Domain Name: google.com
Registry Domain ID: 2138514_DOMAIN_COM-VRSN
Registrar WHOIS Server: whois.markmonitor.com
Registrar URL: <http://www.markmonitor.com>
Updated Date: 2019-09-09T15:39:04+0000
Creation Date: 1997-09-15T07:00:00+0000
Registrar Registration Expiration Date: 2028-09-13T07:00:00+0000
Registrar: MarkMonitor, Inc.
Registrar IANA ID: 292
Registrar Abuse Contact Email: abusecomplaints@markmonitor.com
Registrar Abuse Contact Phone: +1.208.685.1750
Domain Status: clientUpdateProhibited (<https://www.icann.org/epp#clientUpdateProhibited>)
Domain Status: clientTransferProhibited (<https://www.icann.org/epp#clientTransferProhibited>)
Domain Status: clientDeleteProhibited (<https://www.icann.org/epp#clientDeleteProhibited>)
Domain Status: serverUpdateProhibited (<https://www.icann.org/epp#serverUpdateProhibited>)
Domain Status: serverTransferProhibited (<https://www.icann.org/epp#serverTransferProhibited>)
Domain Status: serverDeleteProhibited (<https://www.icann.org/epp#serverDeleteProhibited>)
Registrant Organization: Google LLC
Registrant State/Province: CA
Registrant Country: US
Registrant Email: Select Request Email Form at <https://domains.markmonitor.com/whois/google.com>
Admin Organization: Google LLC
Admin State/Province: CA
Admin Country: US
Admin Email: Select Request Email Form at <https://domains.markmonitor.com/whois/google.com>
Tech Organization: Google LLC
Tech State/Province: CA
Tech Country: US
Tech Email: Select Request Email Form at <https://domains.markmonitor.com/whois/google.com>
Name Server: ns2.google.com
Name Server: ns3.google.com
Name Server: ns4.google.com
Name Server: ns1.google.com
DNSSEC: unsigned

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Name Server: ns1.google.com
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accuracy.

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lawful purposes and that, under no circumstances will you use this data to:
  (1) allow, enable, or otherwise support the transmission by email, telephone,
  or facsimile of mass, unsolicited, commercial advertising, or spam; or
  (2) enable high volume, automated, or electronic processes that send queries,
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Visit MarkMonitor at https://www.markmonitor.com
Contact us at +1.800.745.9229
In Europe, at +44.02032062220
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(ث)

```

C:\Users\hoori>tracert google.com

Tracing route to google.com [216.239.38.120]
over a maximum of 30 hops:

  1      1 ms      <1 ms      <1 ms      192.168.1.1
  2      *          *          *          Request timed out.
  3      *          49 ms      37 ms      10.234.198.241
  4      *          37 ms      37 ms      10.234.198.21
  5      68 ms      38 ms      38 ms      10.234.196.2
  6      41 ms      41 ms      46 ms      10.234.194.70
  7      41 ms      46 ms      41 ms      10.234.194.130
  8      41 ms      38 ms      40 ms      78.38.241.90
  9      42 ms      42 ms      41 ms      10.21.21.10
 10      42 ms      40 ms      41 ms      10.21.211.10
 11      40 ms      40 ms      41 ms      10.21.21.10
 12      70 ms      71 ms      67 ms      ^C

C:\Users\hoori>

```

```

C:\Users\hoori>tracert -h 30 -w 60 google.com
Tracing route to google.com [216.239.38.120]
over a maximum of 30 hops:

  1  <1 ms    <1 ms    <1 ms    192.168.1.1
  2  *         *         *         Request timed out.
  3  *         37 ms   37 ms    10.234.198.241
  4  *         *         *         Request timed out.
  5  *         40 ms   41 ms    10.234.196.2
  6  44 ms    39 ms    38 ms    10.234.194.70
  7  *         39 ms   47 ms    10.234.194.130
  8  *         40 ms   39 ms    78.38.241.90
  9  45 ms    39 ms    42 ms    10.21.21.10
 10  42 ms    41 ms    40 ms    10.21.211.10
 11  *         41 ms    41 ms    10.21.21.10
 12  *         67 ms    68 ms    134.0.220.186
 13  *         *         73 ms    213.202.5.239
 14  *         72 ms    68 ms    216.239.48.133
 15  *         68 ms    68 ms    108.170.233.243
 16  73 ms    74 ms    68 ms    any-in-2678.1e100.net [216.239.38.120]

Trace complete.

```

(ج) امتیازی:-----

سوال 6: امتیازی

الف: دستور

```

C:\Users\hoori>netsh interface ip set address name="Ethernet" static 192.168.58.3

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می زنیم

سوال 7:

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