**Q.1:** My oldest email account had been compromised 11 times and my now primary email has been compromised 1 time. It was interesting to see what sites came up as where my email had been compromised and I had no idea of it. My passwords have not been compromised, which I think is due largely to the fact that I use password phrases which end up being longer and more complicated. My action on finding this information out is that I am going to add a two-factor authentication to my email which I did not previously have because if someone were to access my email, they could comprise many of my other accounts. I try to use two-factor authentication on my accounts whenever possible, it can be more of a hassle to use but adds an extra layer of protection. I do also monitor my credit cards very closely so that if there was a fraudulent charge, I would be able to react and freeze my card. I would recommend to my friends to use two-factor authentication and try to avoid public Wi-Fi.

**Q.2:**

Text

Description automatically generated

**Graphical user interface, application

Description automatically generatedQ.3:**

**Q.4:**

**Text

Description automatically generated with low confidence**

**Q.5:**

Microsoft Windows [Version 10.0.19044.1889]

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C:\Users\gunna>ipconfig/all

Windows IP Configuration

Host Name . . . . . . . . . . . . : DESKTOP-MQTAQ8C

Primary Dns Suffix . . . . . . . :

Node Type . . . . . . . . . . . . : Hybrid

IP Routing Enabled. . . . . . . . : No

WINS Proxy Enabled. . . . . . . . : No

Ethernet adapter Ethernet 3:

Media State . . . . . . . . . . . : Media disconnected

Connection-specific DNS Suffix . :

Description . . . . . . . . . . . : ExpressVPN TAP Adapter

Physical Address. . . . . . . . . : 00-FF-D0-E9-8F-9C

DHCP Enabled. . . . . . . . . . . : Yes

Autoconfiguration Enabled . . . . : Yes

Unknown adapter Local Area Connection:

Media State . . . . . . . . . . . : Media disconnected

Connection-specific DNS Suffix . :

Description . . . . . . . . . . . : ExpressVPN TUN Driver

Physical Address. . . . . . . . . :

DHCP Enabled. . . . . . . . . . . : No

Autoconfiguration Enabled . . . . : Yes

Ethernet adapter Ethernet 2:

Media State . . . . . . . . . . . : Media disconnected

Connection-specific DNS Suffix . :

Description . . . . . . . . . . . : Intel(R) Ethernet Controller (3) I225-V #2

Physical Address. . . . . . . . . : 3C-7C-3F-4F-CA-22

DHCP Enabled. . . . . . . . . . . : Yes

Autoconfiguration Enabled . . . . : Yes

Ethernet adapter VirtualBox Host-Only Network:

Connection-specific DNS Suffix . :

Description . . . . . . . . . . . : VirtualBox Host-Only Ethernet Adapter

Physical Address. . . . . . . . . : 0A-00-27-00-00-15

DHCP Enabled. . . . . . . . . . . : No

Autoconfiguration Enabled . . . . : Yes

Link-local IPv6 Address . . . . . : fe80::6917:86a2:9f70:f9d9%21(Preferred)

IPv4 Address. . . . . . . . . . . : 192.168.56.1(Preferred)

Subnet Mask . . . . . . . . . . . : 255.255.255.0

Default Gateway . . . . . . . . . :

DHCPv6 IAID . . . . . . . . . . . : 822738983

DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-27-AC-31-57-C8-E2-65-CE-77-C8

DNS Servers . . . . . . . . . . . : fec0:0:0:ffff::1%1

fec0:0:0:ffff::2%1

fec0:0:0:ffff::3%1

NetBIOS over Tcpip. . . . . . . . : Enabled

Wireless LAN adapter Local Area Connection\* 11:

Media State . . . . . . . . . . . : Media disconnected

Connection-specific DNS Suffix . :

Description . . . . . . . . . . . : Microsoft Wi-Fi Direct Virtual Adapter #3

Physical Address. . . . . . . . . : C8-E2-65-CE-77-C9

DHCP Enabled. . . . . . . . . . . : Yes

Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Local Area Connection\* 12:

Media State . . . . . . . . . . . : Media disconnected

Connection-specific DNS Suffix . :

Description . . . . . . . . . . . : Microsoft Wi-Fi Direct Virtual Adapter #4

Physical Address. . . . . . . . . : CA-E2-65-CE-77-C8

DHCP Enabled. . . . . . . . . . . : No

Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Wi-Fi 2:

Connection-specific DNS Suffix . :

Description . . . . . . . . . . . : Intel(R) Wi-Fi 6 AX200 160MHz #2

Physical Address. . . . . . . . . : C8-E2-65-CE-77-C8

DHCP Enabled. . . . . . . . . . . : Yes

Autoconfiguration Enabled . . . . : Yes

Link-local IPv6 Address . . . . . : fe80::1063:f17a:7feb:db84%4(Preferred)

IPv4 Address. . . . . . . . . . . : 192.168.1.2(Preferred)

Subnet Mask . . . . . . . . . . . : 255.255.255.0

Lease Obtained. . . . . . . . . . : Saturday, September 10, 2022 6:56:54 PM

Lease Expires . . . . . . . . . . : Sunday, September 11, 2022 6:56:49 PM

Default Gateway . . . . . . . . . : 192.168.1.1

DHCP Server . . . . . . . . . . . : 192.168.1.1

DHCPv6 IAID . . . . . . . . . . . : 399041125

DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-27-AC-31-57-C8-E2-65-CE-77-C8

DNS Servers . . . . . . . . . . . : 192.168.1.1

NetBIOS over Tcpip. . . . . . . . : Enabled

Ethernet adapter Bluetooth Network Connection 2:

Media State . . . . . . . . . . . : Media disconnected

Connection-specific DNS Suffix . :

Description . . . . . . . . . . . : Bluetooth Device (Personal Area Network) #2

Physical Address. . . . . . . . . : C8-E2-65-CE-77-CC

DHCP Enabled. . . . . . . . . . . : Yes

Autoconfiguration Enabled . . . . : Yes

C:\Users\gunna>

I think the IPv4 Address under the Wireless LAN adapter Wi-Fi 2: is the one that connects me to the Internet, but I am not positive. I highlighted it in the above.

**Q.6:**

C:\Users\gunna>ping www.espn.com

Pinging www.espn.com [13.227.37.61] with 32 bytes of data:

Reply from 13.227.37.61: bytes=32 time=23ms TTL=243

Reply from 13.227.37.61: bytes=32 time=18ms TTL=243

Reply from 13.227.37.61: bytes=32 time=17ms TTL=243

Reply from 13.227.37.61: bytes=32 time=19ms TTL=243

Ping statistics for 13.227.37.61:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 17ms, Maximum = 23ms, Average = 19ms

The pinging of the target host is successful if you receive the packets back that are sent out and you will see the communication delay in milliseconds displayed in the printout.