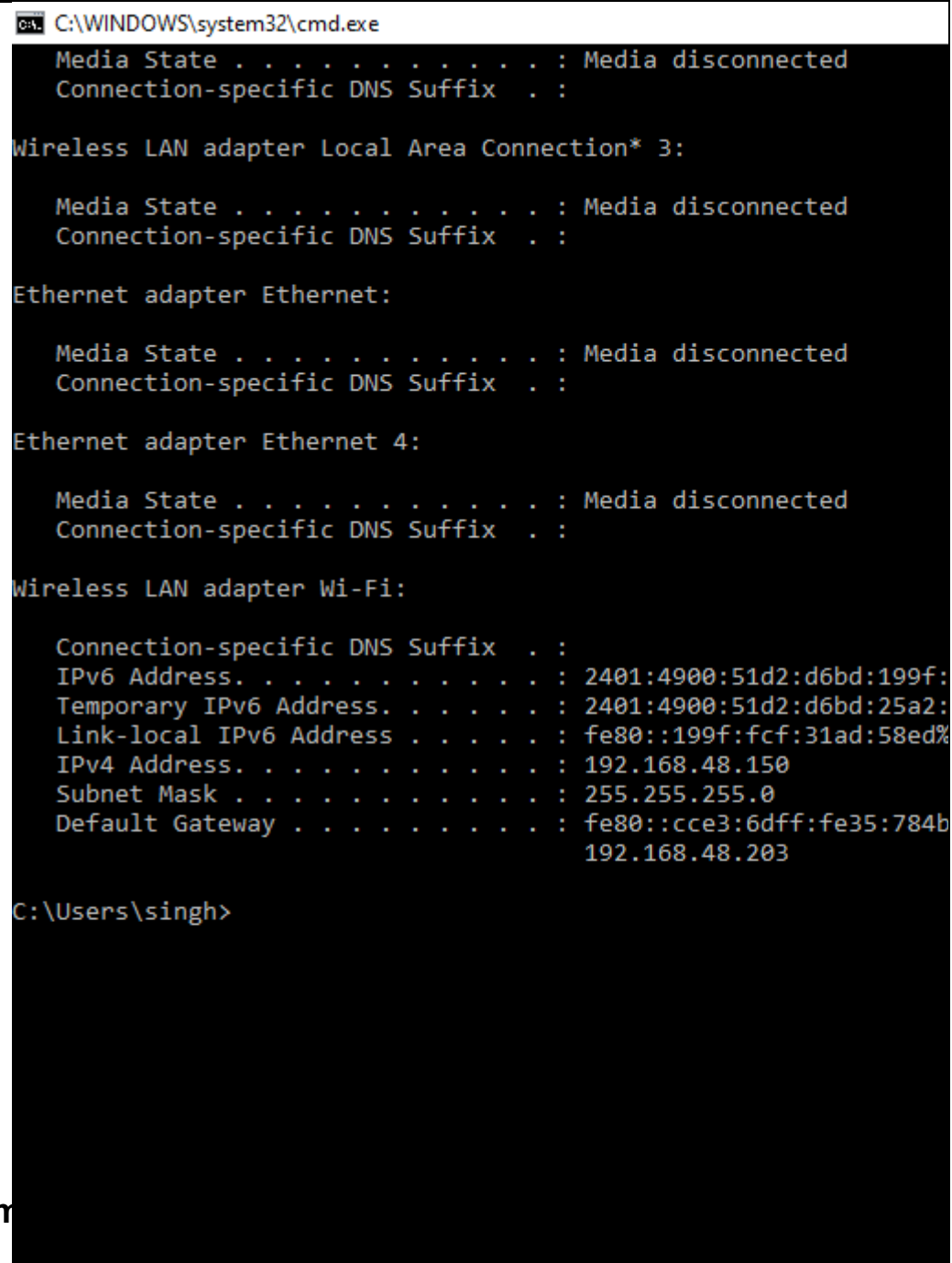
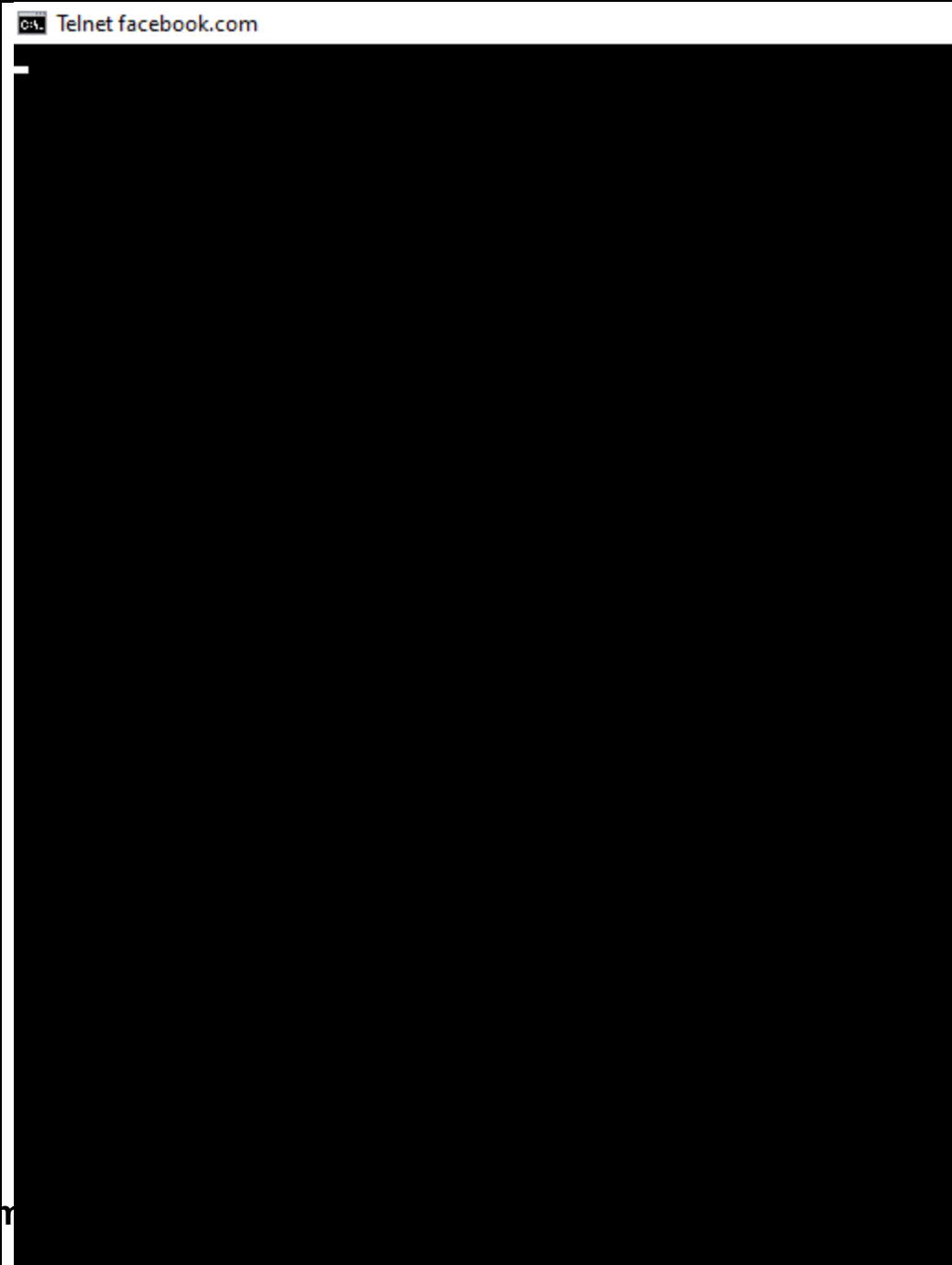


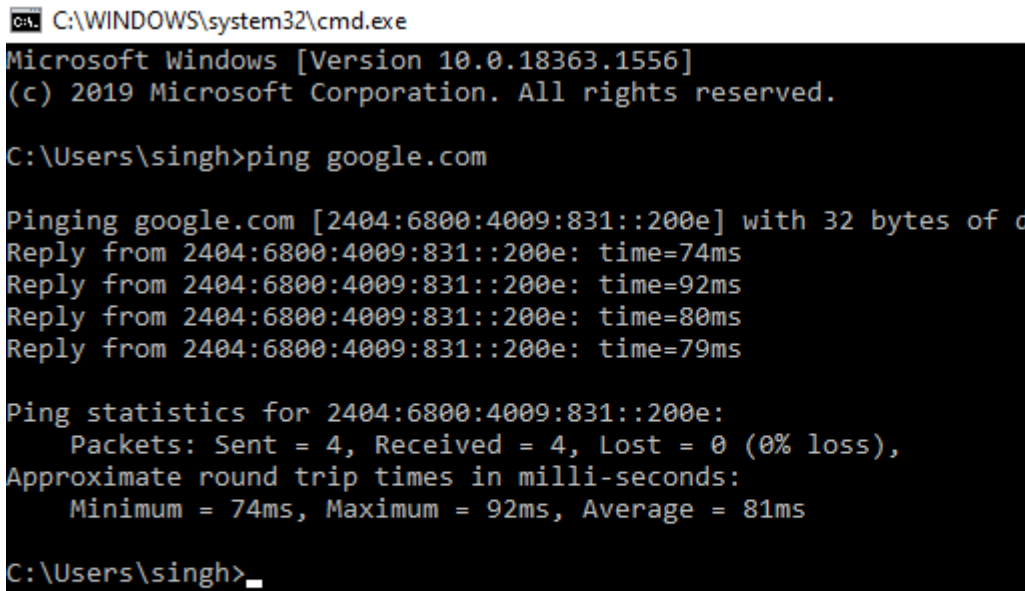
**Assignment #1**  
**Network – Command Line Tools**

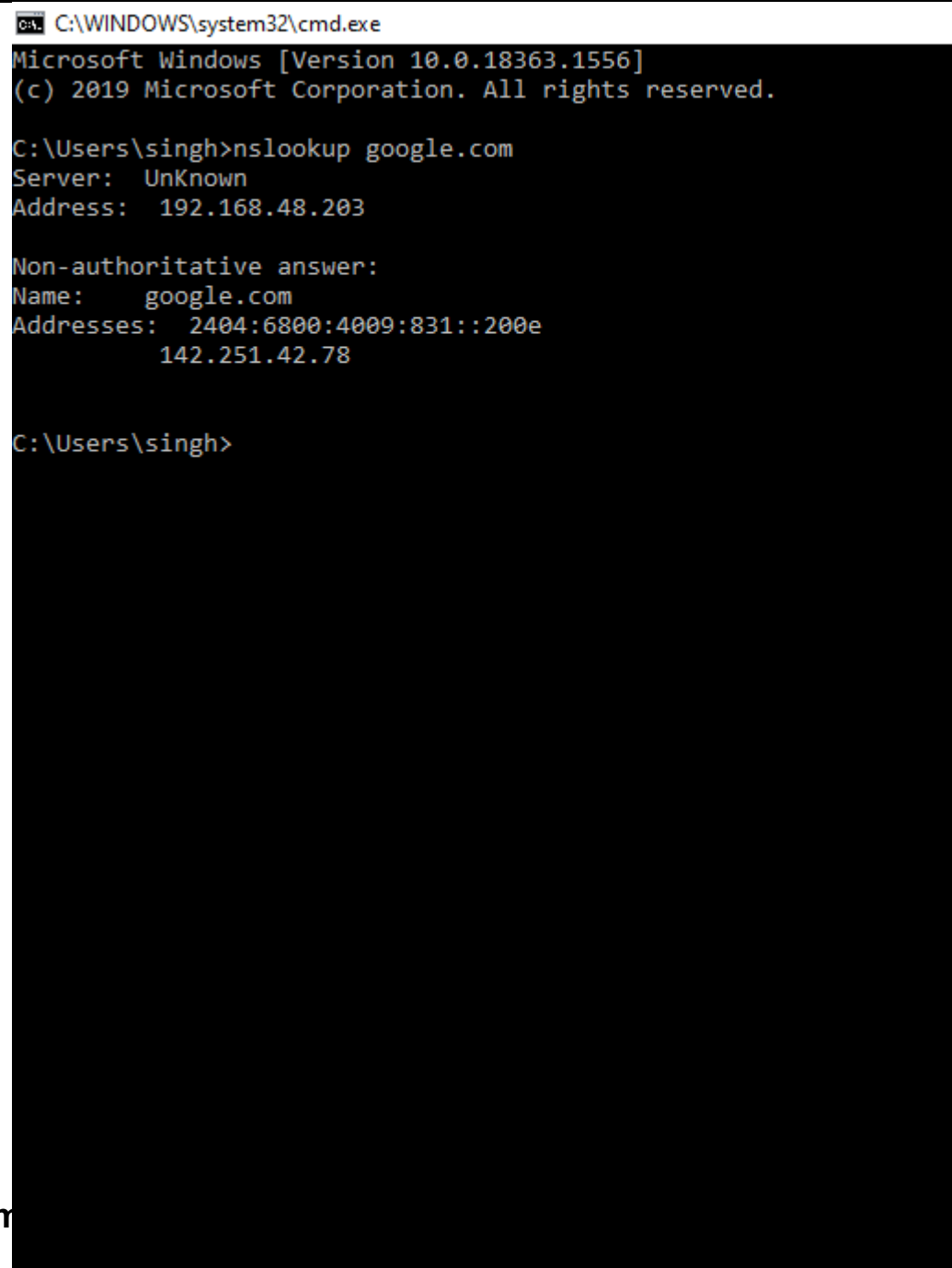
Practice the Command Line Tools and complete the assignment:

SI. No	Task Name	Command Used	Screenshot of Result
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<p><b>1</b></p>	<p>Which command shows you the configured network adapter's information, such as IP address, subnet mask and gateway?</p>	<p><b>ipconfig</b></p>	 <pre> C:\WINDOWS\system32\cmd.exe Media State . . . . . : Media disconnected Connection-specific DNS Suffix . :  Wireless LAN adapter Local Area Connection* 3:  Media State . . . . . : Media disconnected Connection-specific DNS Suffix . :  Ethernet adapter Ethernet:  Media State . . . . . : Media disconnected Connection-specific DNS Suffix . :  Ethernet adapter Ethernet 4:  Media State . . . . . : Media disconnected Connection-specific DNS Suffix . :  Wireless LAN adapter Wi-Fi:  Connection-specific DNS Suffix . : IPv6 Address. . . . . : 2401:4900:51d2:d6bd:199f: Temporary IPv6 Address. . . . . : 2401:4900:51d2:d6bd:25a2: Link-local IPv6 Address . . . . . : fe80::199f:fcf:31ad:58ed% IPv4 Address. . . . . : 192.168.48.150 Subnet Mask . . . . . : 255.255.255.0 Default Gateway . . . . . : fe80::cce3:6dff:fe35:784b                                192.168.48.203  C:\Users\singh&gt; </pre>
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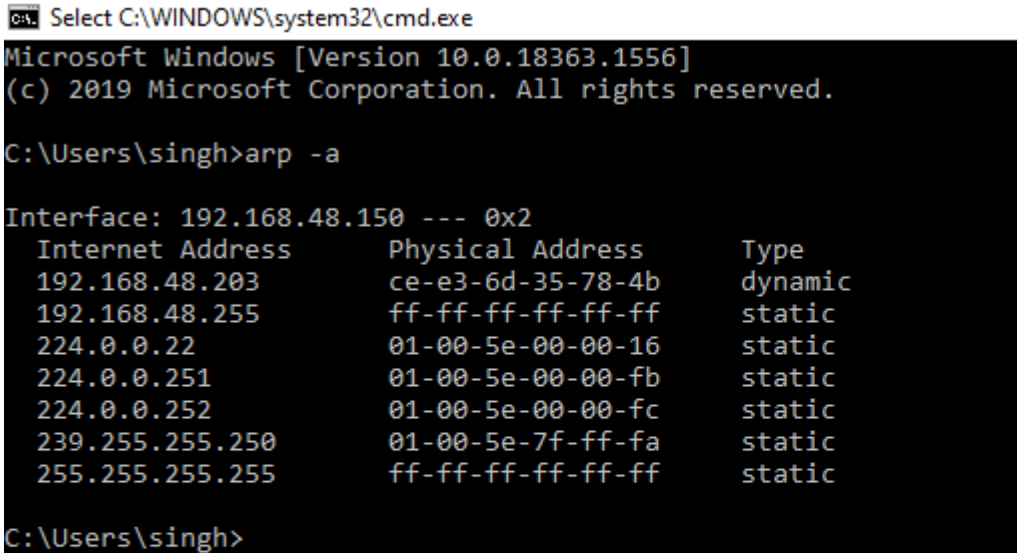
<p>2</p>	<p>Which command is used to check whether facebook.com is available on port 443 or not?</p>	<p><b>telnet facebook.com 443</b></p> <p><a href="https://t.m">https://t.m</a></p>	
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<p>3</p>	<p>Which command is used to check whether a system is reachable or not?</p>	<p><b>ping google.com</b></p> <p><a href="https://t.m">https://t.m</a></p>	
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<p>4</p>	<p>Which command is used to find the IP Address of a domain Example: google.com?</p>	<p><b>nslookup google.com</b></p> <p><a href="https://t.m">https://t.m</a></p>	 <pre>C:\WINDOWS\system32\cmd.exe Microsoft Windows [Version 10.0.18363.1556] (c) 2019 Microsoft Corporation. All rights reserved.  C:\Users\singh&gt;nslookup google.com Server: UnKnown Address: 192.168.48.203  Non-authoritative answer: Name: google.com Addresses: 2404:6800:4009:831::200e            142.251.42.78  C:\Users\singh&gt;</pre>
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<p>5</p>	<p>Which command is used to display the hops that packets take when traveling to their destination? Example: www.google.com</p>	<p><b>tracert google.com</b></p> <p><a href="https://t.m">https://t.m</a></p>	<pre>C:\WINDOWS\system32\cmd.exe Microsoft Windows [Version 10.0.18363.1556] (c) 2019 Microsoft Corporation. All rights reserved.  C:\Users\singh&gt;tracert google.com  Tracing route to google.com [2404:6800:4009:831::200e] over a maximum of 30 hops:    0  8 ms   2 ms   4 ms  2401:4900:51d2:d6bd::cf   1  *      *      *      Request timed out.   2  227 ms 132 ms 84 ms  2401:4900:88:4408::1:801   3  120 ms 66 ms 68 ms  2404:a800:2a00:204::19   4  1032 ms 97 ms 104 ms 2404:a800::92   5  94 ms 117 ms 117 ms 2001:4860:1:1::160e   6  *      116 ms 109 ms 2404:6800:8058::1   7  150 ms 87 ms 114 ms 2001:4860:0:1::758   8  102 ms 107 ms 116 ms 2001:4860:0:135f::a   9  113 ms 118 ms 114 ms 2001:4860::9:4001:7734  10  123 ms 142 ms 131 ms 2001:4860:0:115b::1  11  104 ms 77 ms 105 ms 2001:4860:0:1::5c05  12  140 ms 119 ms 156 ms bom12s21-in-x0e.1e100.net [2404: Trace complete.  C:\Users\singh&gt;</pre>
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<p>6</p>	<p>Which command is used to know network statistics and displays which ports are open or have established connections?</p>	<p>netstat</p>	<pre> C:\WINDOWS\system32\cmd.exe - netstat Microsoft Windows [Version 10.0.18363.1556] (c) 2019 Microsoft Corporation. All rights reserved.  C:\Users\singh&gt;netstat  Active Connections  Proto Local Address           Foreign Address         State TCP    127.0.0.1:49695         LAPTOP-N5GT7K5E:49696  ESTABLISH TCP    127.0.0.1:49696         LAPTOP-N5GT7K5E:49695  ESTABLISH TCP    127.0.0.1:49701         LAPTOP-N5GT7K5E:56274  ESTABLISH TCP    127.0.0.1:49701         LAPTOP-N5GT7K5E:56461  ESTABLISH TCP    127.0.0.1:49701         LAPTOP-N5GT7K5E:56997  ESTABLISH TCP    127.0.0.1:49701         LAPTOP-N5GT7K5E:61757  ESTABLISH TCP    127.0.0.1:49701         LAPTOP-N5GT7K5E:63779  ESTABLISH TCP    127.0.0.1:49702         LAPTOP-N5GT7K5E:49703  ESTABLISH TCP    127.0.0.1:49703         LAPTOP-N5GT7K5E:49702  ESTABLISH TCP    127.0.0.1:49795         LAPTOP-N5GT7K5E:49796  ESTABLISH TCP    127.0.0.1:49796         LAPTOP-N5GT7K5E:49795  ESTABLISH TCP    127.0.0.1:51521         LAPTOP-N5GT7K5E:51522  ESTABLISH TCP    127.0.0.1:51522         LAPTOP-N5GT7K5E:51521  ESTABLISH TCP    127.0.0.1:51685         LAPTOP-N5GT7K5E:55697  ESTABLISH TCP    127.0.0.1:55697         LAPTOP-N5GT7K5E:51685  ESTABLISH TCP    127.0.0.1:56274         LAPTOP-N5GT7K5E:49701  ESTABLISH TCP    127.0.0.1:56461         LAPTOP-N5GT7K5E:49701  ESTABLISH TCP    127.0.0.1:56961         LAPTOP-N5GT7K5E:56962  ESTABLISH TCP    127.0.0.1:56962         LAPTOP-N5GT7K5E:56961  ESTABLISH TCP    127.0.0.1:56963         LAPTOP-N5GT7K5E:56964  ESTABLISH TCP    127.0.0.1:56964         LAPTOP-N5GT7K5E:56963  ESTABLISH TCP    127.0.0.1:56997         LAPTOP-N5GT7K5E:49701  ESTABLISH TCP    127.0.0.1:61757         LAPTOP-N5GT7K5E:49701  ESTABLISH TCP    127.0.0.1:63779         LAPTOP-N5GT7K5E:49701  ESTABLISH TCP    192.168.48.150:51528     20.198.162.76:https     ESTABLISH TCP    192.168.48.150:51533     82.202.184.202:https     ESTABLISH TCP    192.168.48.150:55107     77.74.181.62:https       ESTABLISH TCP    192.168.48.150:56191     180.87.4.152:https       TIME_WAIT TCP    192.168.48.150:57424     113.29.117.12:https      TIME_WAIT TCP    192.168.48.150:58001     113.29.117.17:https      TIME_WAIT TCP    192.168.48.150:58835     52.114.14.211:https      ESTABLISH TCP    192.168.48.150:61292     113.29.117.26:https      ESTABLISH TCP    192.168.48.150:62410     113.29.117.12:https      TIME_WAIT TCP    192.168.48.150:62412     52.114.22.185:https      TIME_WAIT </pre>
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7	Which command is used to list the table of IP addresses with their corresponding MAC Address?	arp -a	 <pre>Select C:\WINDOWS\system32\cmd.exe Microsoft Windows [Version 10.0.18363.1556] (c) 2019 Microsoft Corporation. All rights reserved.  C:\Users\singh&gt;arp -a  Interface: 192.168.48.150 --- 0x2  Internet Address      Physical Address      Type 192.168.48.203         ce-e3-6d-35-78-4b    dynamic 192.168.48.255         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  C:\Users\singh&gt;</pre>
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<p>8</p>	<p>Which command is used to display the Hostname of your system?</p>	<p><b>hostname</b></p> <p><a href="https://t.m">https://t.m</a></p>	 <pre>C:\WINDOWS\system32\cmd.exe Microsoft Windows [Version 10.0.18363.1556] (c) 2019 Microsoft Corporation. All rights reserved.  C:\Users\singh&gt;hostname LAPTOP-N5GT7K5E  C:\Users\singh&gt;</pre>
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9	How do you identify the public IP address assigned to your router?	what is my ip	<p>what is my ip - Google Search</p> <p>google.com/search?q=what+is+my+ip&amp;rlz=1C1CHZL_enIN</p> <p>Apps Downloads Profit and Loss Pro... YouTube Due date is A</p> <p>Google what is my ip</p> <p>All Books Shopping News</p> <p>About 1,98,00,00,000 results (0.38 seconds)</p> <p>What's my IP</p> <p>2401:4900:51d2:d6bd:25a2:8543:4... Your public IP address</p> <p>Learn more about IP addresses</p> <p>https://whatismyipaddress.com</p> <p>What Is My IP Address - See Your Pu</p> <p>Find out what your public IPv4 and IPv6 address is re information shows your location; city, region, country,</p> <p>IP Lookup</p>
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<https://t.me/learningnets>

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