## C:\Users\User>hostname DESKTOP-AJC5ID6

## C:\Users\User>netstat

Active Connections

```
Local Address
                                Foreign Address
                                                        State
                               DESKTOP-AJC5ID6:49688
TCP
       127.0.0.1:49687
                                                        ESTABLISHED
TCP
                                DESKTOP-AJC5ID6:49687
       127.0.0.1:49688
                                                        ESTABLISHED
       127.0.0.1:49690
                               DESKTOP-AJC5ID6:49691
TCP
                                                        ESTABLISHED
TCP
       127.0.0.1:49691
                                DESKTOP-AJC5ID6:49690
                                                        ESTABLISHED
                                                        TIME WAIT
TCP
       127.0.0.1:52535
                                DESKTOP-AJC5ID6:52534
                               DESKTOP-AJC5ID6:52536
                                                        TIME WAIT
TCP
       127.0.0.1:52537
TCP
                                a23-54-81-235:http
                                                        TIME WAIT
       192.168.1.67:52525
       192.168.1.67:52526
                                20.33.105.0:https
                                                        ESTABLISHED
TCP
                                                        TIME_WAIT
TCP
       192.168.1.67:52527
                                a23-54-81-170:http
TCP
       192.168.1.67:52529
                                a23-54-81-170:http
TCP
       192.168.1.67:52530
                               a23-54-81-242:http
                                                        TIME WAIT
TCP
       192.168.1.67:52531
                                4.213.25.240:https
                                                        ESTABLISHED
TCP
       192.168.1.67:52532
                               52.230.60.54:https
                                                        TIME_WAIT
                                                        TIME_WAIT
TCP
       192.168.1.67:52538
                                253:https
       192.168.1.67:52539
                                52.230.60.54:https
TCP
                                                        TIME WAIT
TCP
       192.168.1.67:52541
                               82:https
                                173:https
TCP
       192.168.1.67:52542
                                                        TIME_WAIT
                                                        TIME_WAIT
TIME_WAIT
TIME_WAIT
TCP
       192.168.1.67:52543
                                a23-54-81-242:http
TCP
       192.168.1.67:52544
                                52.230.60.54:https
TCP
       192.168.1.67:52545
                                33:https
                                                        TIME WAIT
TCP
       192.168.1.67:52546
                                173:https
TCP
       192.168.1.67:52547
                                82:https
                                                        TIME_WAIT
TCP
       192.168.1.67:52548
                                33:https
                                                        TIME_WAIT
                                                        TIME_WAIT
TCP
       192.168.1.67:52549
                                173:https
TCP
       192.168.1.67:52550
                               82:https
                                                        TIME WAIT
TCP
       192.168.1.67:52551
                                33:https
TCP
       192.168.1.67:52552
                                52.168.117.171:https
                                                        TIME_WAIT
TCP
       192.168.1.67:52553
                                a23-10-239-251:http
                                                        ESTABLISHED
TCP
       192.168.1.67:52554
                                150.171.27.11:https
                                                        ESTABLISHED
                                a23-38-84-202:https
TCP
       192.168.1.67:52557
                                                        ESTABLISHED
TCP
       192.168.1.67:52560
                                65:https
                                                        ESTABLISHED
TCP
       192.168.1.67:52561
                                server-18-67-195-52:https ESTABLISHED
TCP
       192.168.1.67:52562
                                server-108-158-49-186:http ESTABLISHED
TCP
       192.168.1.67:52563
                                server-108-158-49-186:http
                                                             ESTABLISHED
```

```
Ethernet
Network cable unplugged
Qualcomm Atheros AR8151 PCI-E...
Wii-Fi
Why_So_Serious_2.4
802.11n Wireless LAN Card
```

```
::\Users\User>tracert www.google.com
Tracing route to www.google.com [172.217.26.100]
over a maximum of 30 hops:
                                3 ms 192.168.1.254
                     7 ms
 2
3
4
5
6
7
8
9
        10 ms
                     7 ms
                               11 ms
                                        27.34.0.1
         9 ms
                     8 ms
                               19 ms
                                        be-83-46.45.gwc-ndc-core-01.wlink.com.np [202.79.45.46]
                                7 ms
9 ms
                                        ae-20-136.41.gwj-htda-core-01.wlink.com.np [202.79.41.136]
ae-21-139.41.gwj-btwl-core-01.wlink.com.np [202.79.41.139]
ae52-ipt-bhwa-01.wlink.com.np [72.9.128.67]
        10 ms
                     4 ms
         6 ms
                    10 ms
        10 ms
                    10 ms
                                 6 ms
                                        Request timed out.
        17 ms
                    22 ms
                               23 ms
                                        142.250.174.2
        21 ms
                    22 ms
                               28 ms
                                        192.178.83.35
                                        142.251.52.217
 10
        18 ms
                    19 ms
                               21 ms
 11
                                        kix05s01-in-f100.1e100.net [172.217.26.100]
        21 ms
       complete
```

```
Trace complete.

C:\Users\User>ping www.google.com

Pinging www.google.com [172.217.26.100] with 32 bytes of data:
Reply from 172.217.26.100: bytes=32 time=161ms TTL=114
Reply from 172.217.26.100: bytes=32 time=159ms TTL=114
Reply from 172.217.26.100: bytes=32 time=145ms TTL=114
Reply from 172.217.26.100: bytes=32 time=18ms TTL=114

Ping statistics for 172.217.26.100:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 18ms, Maximum = 161ms, Average = 120ms
```

```
Type
dynamic
static
static
static
static
static
static
                                                                                                                                                    Type
static
static
static
                                                                                                                                                                                                     static
static
                                                                                                                                                  Physical Address
ff-ff-ff-ff-ff-ff
01-00-5e-00-00-16
01-00-5e-00-00-fb
01-00-5e-00-00-fc
01-00-5e-7f-ff-fa
                                                                       01-00-5e-00-00-16
01-00-5e-00-00-fb
01-00-5e-00-00-fc
ff-ff-ff-ff-ff
                                   Physical Address
04-75-f9-16-92-5c
ff-ff-ff-ff-ff-ff
                                                                                                                                        0x13
                         0x4
                                                                                                                                        .13
                        nterface: 192.168.1.67
                                             192 .168 .1 .254
192 .168 .1 .255
224 .0 .0 .2
224 .0 .0 .251
224 .0 .0 .252
255 .255 .255 .255
                                                                                                                                        169.254
                                    Address
                                                                                                                                                    Address
                                                                                                                                                               169.254.255.255
224.0.0.22
224.0.0.251
224.0.0.252
239.255.255.250
\Users\User>arp
                                                                                                                                        nterface:
                                                                                                                                                    Internet
```

```
:\Users\User>systeminfo
                                                      DESKTOP-AJC5ID6
  lost Name:
                                                       Microsoft Windows 10 Pro
 OS Name:
                                                       10.0.19045 N/A Build 19045
     Version:
     Manufacturer:
Configuration:
                                                      Microsoft Corporation
Standalone Workstation
                                                                                                                                                                                                                            192,168,13,3
OS Build Type:
                                                       Multiprocessor Free
Registered Owner:
 Registered Organization:
 Product ID:
Original Install Date:
                                                      00331-10000-00001-AA173
                                                      9/30/2020, 3:33:40 AM
9/2/2025, 6:19:25 PM
ASUSTEK Computer Inc.
System Boot Time:
System Manufacture<u>r:</u>
System Model:
                                                      x64-based PC
1 Processor(s) Installed.
[01]: Intel64 Family 6 Model 42 Stepping 7 GenuineIntel ~2400 Mhz
American Megatrends Inc. K54C.207, 4/18/2012
C:\WINDOWS
 System Type:
  rocessor(s):
BIOS Version:
Windows Directory:
System Directory:
                                                                                                                                                                                                                      Suffix
                                                       C:\WINDOWS\system32
                                                      \Device\HarddiskVolume1
en-us;English (United States)
en-us;English (United States)
(UTC+05:45) Kathmandu
6,048 MB
Boot Device:
System Locale:
                                                                                                                                                                                                         LAN adapter Wi-Fi:
   nput Locale:
                                                                                                                                                                                                                      DNS
Time Zone:
Total Physical Memory:
Available Physical Memory: 2,219 MB
Virtual Memory: Max Size: 8,864 MB
Virtual Memory: Available: 4,116 MB
Virtual Memory: In Use: 4,748 MB
Page File Location(s): C:\pagefi
                                                                                                                                                                                                                      Connection-specific
                                                      4,116 MB
C:\pagefile.sys
WORKGROUP
\DESKTOP-AJC5ID6
20 HOtfix(S) Installed.
                                                                                                                                                                                                                            Address.
 Logon Server:
Hotfix(s):
                                                        [01]: KB5020872
[02]: KB5056577
[03]: KB4561600
                                                                                                                                                                                                         lireless
                                                                                                                                                                                                                            IPv4
                                                        [04]: KB4562830
[05]: KB4577266
[06]: KB4577586
                                                        [07]: KB4580325
[08]: KB4586864
```

```
C:\Users\User>getmac
                    Transport Name
Physical Address
                    \Device\Tcpip_{21C61488-32A5-40D6-8D85-C9B32CDEF21F}
E0-06-E6-2A-3C-EC
10-BF-48-22-1E-7D
                    Media disconnected
00-FF-B6-98-A1-CC
                    Media disconnected
00-FF-65-99-06-82
                    Media disconnected
                    \Device\Tcpip_{CCE0EB84-8AD5-4153-A94F-1319ECC5453A}
0A-00-27-00-00-13
```

```
12...10 bf 48 22 1e 7d
9...00 ff 65 99 06 82
9...00 of 65 99 06 82
10...00 of 70 00 01 13
16...00 ff b6 98 a1 cc
11...e0 06 e6 2a 3c e6
4...e0 06 e6 2a 3c ec
                                                                                                                                                                               .Qualcomm Atheros AR8151 PCI-E Gigabit Ethernet Controller (NDIS 6.30)
.TAP-NordVPN Windows Adapter V9
.VirtualBox Host-Only Ethernet Adapter
.TAP-ProtonVPN Windows Adapter V9
.Microsoft Wi-Fi Direct Virtual Adapter
.Microsoft Wi-Fi Direct Virtual Adapter
.Microsoft Wi-Fi Direct Virtual Adapter
.802.11n Wireless LAN Card
.SOftware Loopback Interface 1
ctive Routes:
letwork Destination
0.0.0.0
127.0.0.0
127.0.0.1
127.255.255.255
169.254.14.13
169.254.14.13
192.168.1.05
192.168.1.05
                                                                                                           Netmask

0.0.0.0

255.255.255.255

255.255.255.255

255.255.255.255

255.255.255.255

256.255.255.255

256.255.255.255

256.255.255.255

256.255.255.255

256.255.255.255

256.255.255.255

256.255.255.255

256.255.255.255
                                                                                                                                                                                                                                     Gateway
192.168.1.254
On-link
                                                                                                                                                                                                                                                                                                                                                 Interface
192.168.1.67
127.0.0.1
127.0.0.1
127.0.0.1
169.254.14.13
169.254.14.13
192.168.1.67
192.168.1.67
192.168.1.67
127.0.0.1
169.254.14.13
192.168.1.67
                                                                                                                                                                                                                                                                                                                                                                                                                                        Metric
50
331
331
281
281
281
306
306
331
281
306
331
281
     192.168.1.67
192.168.1.255
224.0.0.0
224.0.0.0
224.0.0.0
255.255.255.255
255.255.255.255
           rsistent Routes
     ttive Routes:

If Metric Network Destination

1 331 ::1/128

1 331 ff00::/8
```

loss), TTL=128 TTL=128 TTL=128 TTL=128 %0) Oms = 4, Lost = 0 ( milli-seconds: data: time<1ms time<1ms time<1ms Average of h 32 bytes obytes obytes=32 ti bytes=32 ti bytes=32 ti bytes=32 ti Oms, 192.168.13.3: Received times in Maximum 192.168.13.3 with rom 192.168.13.3: b rom 192.168.13.3: b rom 192.168.13.3: b rom 192.168.13.3: b with = 4, trip statistics for \Users\User>ping Oms, Sent round Packets: oximate Minimum from from from from inging eply eply eply eply ing

192,168,13,3

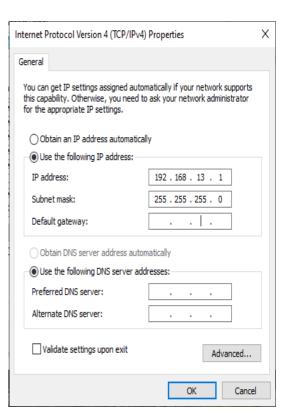
Gateway

Default

C:\Users\User>

Subnet Mask

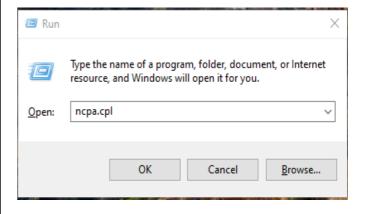
```
\Users\User>tasklist
                                      PID Session Name
 mage Name
                                                                     Session#
                                                                                    Mem Usage
System Idle Process
                                        0 Services
                                                                                           8 K
                                                                                      11,864 K
System
Registry
                                         4 Services
                                                                                     73,532 K
1,100 K
5,480 K
                                      100 Services
 mss.exe
srss.exe
vininit.exe
                                      664 Services
                                                                              A
                                                                                      6,792
5,580
                                       772 Services
                                       780 Console
 srss.exe
                                                                                     10,252
24,812
 ervices.exe
                                       844 Services
                                      852 Services
                                                                              0
lsass.exe
winlogon.exe
                                       916 Console
                                                                                      11,248
 vchost.exe
                                       584 Services
                                                                                      35,912
                                      640 Services
612 Console
 ontdrvhost.exe
                                                                                      4,020
                                                                                     5,356
17,744
 ontdrvhost.exe
                                       960 Services
 vchost.exe
                                                                                     7,756
11,020
65,428
16,044
 vchost.exe
                                      1068 Services
                                      1176 Services
svchost.exe
                                      1244 Console
dwm.exe
 vchost.exe
                                      1288 Services
 vchost.exe
                                      1304 Services
                                                                                       9,208
                                                                                      8,772
7,568
6,124
                                      1448 Services
                                                                              0
                                     1544 Services
svchost.exe
                                      1576 Services
 vchost.exe
                                     1716 Services
1728 Services
                                                                              0
0
                                                                                       5,224
                                                                                      22,796
svchost.exe
                                      1748 Services
                                                                                     16,372
10,804
svchost.exe
 sc_proxy.exe
                                      1884 Services
 vchost.exe
                                      1900 Services
                                                                              0
0
                                                                                     13,676
7,664
51,636
                                      1908 Services
svchost.exe
                                      1932 Services
svchost.exe
                                      1972 Services
                                                                                      12,860
                                                                                    7,112
5,980
360,096
                                      1980 Services
 vchost.exe
                                                                              0
0
svchost.exe
Memory Compression
svchost.exe
                                     1996 Services
                                     2080 Services
                                                                                       9,652
                                      2120 Services
                                                                                     10,408
10,944
12,188
7,992
7,940
 vchost.exe
                                      2172 Services
                                                                              0
vchost.exe
                                     2216 Services
                                      2264 Services
svchost.exe
 vchost.exe
                                      2516 Services
svchost.exe
svchost.exe
                                      2580 Services
                                                                              0
                                     2692 Services
                                                                                      19,264
```



c. (osei s (osei zipcom ig						
Windows IP Configuration						
Ethernet adapter Ethernet:						
Media State : Media disconnected Connection-specific DNS Suffix . :						
Ethernet adapter Ethernet 2:						
Media State : Media disconnected Connection-specific DNS Suffix . :						
Ethernet adapter VirtualBox Host-Only Network:						
Connection-specific DNS Suffix .: Autoconfiguration IPv4 Address: 169.254.14.13 Subnet Mask : 255.255.0.0 Default Gateway :						
Unknown adapter Local Area Connection:						
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 . :						
Wireless LAN adapter Wi-Fi:						
Connection-specific DNS Suffix .: IPv4 Address 192.168.13.3 Subnet Mask 255.255.255.0 Default Gateway						

Windows IP Configuration	
Host Name : Primary Dns Suffix : Node Type : IP Nouting Enabled : WINS Proxy Enabled : : :	Hybrid No
Ethernet adapter Ethernet:	
Media State	Qualcomm Atheros AR8151 PCI-E Gigabit Ethernet Controller (NDIS 6.30) 10-BF-48-22-1E-7D Yes
Ethernet adapter Ethernet 2:	
Media State Connection-specific DNS Suffix Description Physical Address DHCP Enabled Autoconfiguration Enabled	TAP-NordVPN Windows Adapter V9 00-FF-65-99-06-82 Yes
Ethernet adapter VirtualBox Host-Only N	letwork:
Connection-specific DNS Suffix : Description	No Yes 169.254.14.13(Preferred) 255.255.0.0

C:\Users\User>ipconfig/all



S.N.	Program Title	Submission Date	Signature	Remarks
1.	Create a PHP class 'Book' with title, author, and price properties, and a method to display book properties.			
2.	Write a PHP program to set and get private properties of a 'Laptop' class using getter and setter methods.			
3.	Create a class 'BankAccount' with deposit and withdraw methods and display the balance.  Write a PHP program to demonstrate constructor and destructor in a 'Mobile class.			
4.				
5.	Create a base class 'Person' and a derived class 'Student' that adds roll number and grade.	2025 /00 /04		
6.	Write a PHP program to show method overriding using a 'Vehicle' base class and a 'Car' subclass.	2025/09/04		
7.	Create a class 'Employee' with salary property and extend it into a 'Manager' class that calculates bonus.			
8.	Write a PHP program to demonstrate the use of parent constructor using 'parent::construct()'			
9.	Make a class 'Shape' and create subclasses 'Circle' and 'Rectangle' to calculate area. (runtime polymorphism)			
10.	Create interface 'Payment' with methods 'pay()' and 'refund()'. Implement it in 'CreditCard' and 'PayPal'			
11.	PHP program with interface 'Printable' that forces Book and Magazine to implement getPrintDetails().			
12.	Create interface Logger with logInfo() and logError(). Implement them in FileLogger, DatabaseLogger.			
13.	Write an abstract class `Animal` with an abstract method `sound()`. Implement it in `Dog` and `Cat`.			
14.	Create an abstract class `Shape` with an abstract method `area()`. Implement it in `Triangle`, `Square`.			
15.	Make an abstract class Employee with abstract method calculateSalary() and extend it for FullTimeEmployee and PartTimeEmployee.	2025/09/04		
16.	PHP program to create a `Counter` class with a static property to count how many objects are created.			
17.	Create a class `MathOperations` with static methods for `add()`, `subtract()`, and `multiply()`.			
18.	Write a PHP script to demonstrate static properties sharing values across multiple objects.			
19.	Make a `Configuration` class that stores settings in static properties. Display without creating an object.			
20.	Create a class Database with static method getConnection(). (singleton pattern idea)			