

Demonstration Of Basic Commands

1.ipconfig :

```
Command Prompt

C:\Users\keertipnfig\All
Windows IP Configuration

Host Name . . . . . LAPTOP-1LMPJCM
Primary Dns Suffix . . . . .
Node Type . . . . . Mixed
IP Routing Enabled . . . . . No
WINS Proxy Enabled . . . . . No
DNS Suffix Search List . . . . . pc.local

Ethernet adapter Ethernet 2:

Connection-specific DNS Suffix . :
Description . . . . . VirtualBox Host-Only Ethernet Adapter
Physical Address. . . . . 08-00-27-08-00-16
Dhcp Enabled . . . . . No
Autoconfiguration Enabled . . . . . Yes
Link-local IPv6 Address . . . . . fe80::937f:5da:188b:7f06%20(Prefered)
IPv4 Address. . . . . 192.168.56.1(Prefered)
Subnet Mask . . . . . 255.255.255.0
Default Gateway . . . . .
DHCPv6 Client DUID . . . . . 00-01-00-01-0E-F1-8C-E0-CC-07-00-18-50-03
NetBIOS over Tcpip. . . . . Enabled

Wireless LAN adapter Local Area Connection 9:

Media State . . . . . Media disconnected
Connection-specific DNS Suffix . :
Description . . . . . Microsoft Wi-Fi Direct Virtual Adapter
Physical Address. . . . . CE-07-00-18-50-23
Dhcp Enabled . . . . . No
Autoconfiguration Enabled . . . . . Yes

Wireless LAN adapter Local Area Connection 10:

Media State . . . . . Media disconnected
Connection-specific DNS Suffix . :
Description . . . . . Microsoft Wi-Fi Direct Virtual Adapter #2
Physical Address. . . . . CE-07-00-18-50-23
Dhcp Enabled . . . . . No
Autoconfiguration Enabled . . . . . Yes

Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . : pc.local
Description . . . . . MediaTek Wi-Fi 6 MT7921 Wireless LAN Card
Physical Address. . . . . CC-07-00-18-50-03
Dhcp Enabled . . . . . Yes
Autoconfiguration Enabled . . . . . Yes
Link-local IPv6 Address . . . . . fe80::c86b:74d0:cdda:bda%6(Prefered)
IPv4 Address. . . . . 192.168.56.2
Subnet Mask . . . . . 255.255.255.0
Lease Obtained . . . . . Thursday, January 28, 2025 12:16:17 PM
Lease Expires . . . . . Friday, January 31, 2025 12:16:17 PM
Default Gateway . . . . . 192.168.56.1
DHCP Server . . . . . 192.168.56.2
DHCPv6 DUID . . . . . 00-01-00-01-0E-F1-8C-E0-CC-07-00-18-50-03
DHCPv6 Client DUID . . . . . 00-01-00-01-0E-F1-8C-E0-CC-07-00-18-50-03
DNS Servers . . . . . 8.8.8.8
                        8.8.4.4
NetBIOS over Tcpip. . . . . Enabled

Ethernet adapter Bluetooth Network Connection:

Media State . . . . . Media disconnected
Connection-specific DNS Suffix . :
Description . . . . . Bluetooth Device (Personal Area Network)
Physical Address. . . . . CC-07-00-18-50-03
Dhcp Enabled . . . . . No
Autoconfiguration Enabled . . . . . Yes
```

2.ping :

```
C:\Users\keert>ping www.google.com

Pinging www.google.com [142.250.183.106] with 32 bytes of data:
Reply from 142.250.183.100: bytes=32 time=29ms TTL=117
Reply from 142.250.183.100: bytes=32 time=29ms TTL=117
Reply from 142.250.183.100: bytes=32 time=21ms TTL=117
Reply from 142.250.183.100: bytes=32 time=36ms TTL=117

Ping statistics for 142.250.183.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 21ms, Maximum = 36ms, Average = 28ms
```

3. netstat :

```
Command Prompt
C:\Users\keert>netstat -an

Active Connections

Proto Local Address           Foreign Address         State
TCP    0.0.0.0:135              0.0.0.0:0               LISTENING
TCP    0.0.0.0:445              0.0.0.0:0               LISTENING
TCP    0.0.0.0:5848             0.0.0.0:0               LISTENING
TCP    0.0.0.0:38080            0.0.0.0:0               LISTENING
TCP    0.0.0.0:38081            0.0.0.0:0               LISTENING
TCP    0.0.0.0:39080            0.0.0.0:0               LISTENING
TCP    0.0.0.0:39081            0.0.0.0:0               LISTENING
TCP    0.0.0.0:49664            0.0.0.0:0               LISTENING
TCP    0.0.0.0:49665            0.0.0.0:0               LISTENING
TCP    0.0.0.0:49666            0.0.0.0:0               LISTENING
TCP    0.0.0.0:49667            0.0.0.0:0               LISTENING
TCP    0.0.0.0:49668            0.0.0.0:0               LISTENING
TCP    0.0.0.0:49669            0.0.0.0:0               LISTENING
TCP    0.0.0.0:49670            0.0.0.0:0               LISTENING
TCP    0.0.0.0:49671            0.0.0.0:0               LISTENING
TCP    0.0.0.0:49672            0.0.0.0:0               LISTENING
TCP    0.0.0.0:49673            0.0.0.0:0               LISTENING
TCP    0.0.0.0:49674            0.0.0.0:0               LISTENING
TCP    0.0.0.0:49675            0.0.0.0:0               LISTENING
TCP    10.1.4.56:135            0.0.0.0:0               LISTENING
TCP    10.1.4.56:59499          20.197.71.89:443        ESTABLISHED
TCP    10.1.4.56:59500          20.197.71.89:443        ESTABLISHED
TCP    10.1.4.56:61013          74.125.130.188:5228     ESTABLISHED
TCP    10.1.4.56:61014          20.249.115.164:443      ESTABLISHED
TCP    10.1.4.56:61016          52.108.68.0:443         ESTABLISHED
TCP    10.1.4.56:61018          20.197.71.89:443        ESTABLISHED
TCP    10.1.4.56:61026          142.250.195.42:443      TIME_WAIT
TCP    10.1.4.56:61033          4.224.95.102:443        ESTABLISHED
TCP    10.1.4.56:61267          10.182.81.83:443        ESTABLISHED
TCP    10.1.4.56:61288          23.215.7.8:443          CLOSE_WAIT
TCP    10.1.4.56:61290          40.100.72.64:443        ESTABLISHED
TCP    10.1.4.56:61295          13.107.246.254:443      CLOSE_WAIT
TCP    10.1.4.56:61300          104.81.138.105:443      CLOSE_WAIT
TCP    10.1.4.56:61369          157.240.235.61:443      ESTABLISHED
TCP    10.1.4.56:61372          8.8.4.4:443             ESTABLISHED
TCP    10.1.4.56:61373          142.250.195.170:443     ESTABLISHED
TCP    10.1.4.56:61374          172.217.163.163:443     ESTABLISHED
TCP    10.1.4.56:61377          162.247.243.29:443      ESTABLISHED
TCP    10.1.4.56:61378          74.125.68.84:443        ESTABLISHED
TCP    10.1.4.56:61379          142.250.195.170:443     ESTABLISHED
TCP    10.1.4.56:61381          142.250.193.131:443     ESTABLISHED
TCP    10.1.4.56:61382          142.250.182.78:443      ESTABLISHED
TCP    10.1.4.56:61385          142.250.195.78:443      ESTABLISHED
TCP    10.1.4.56:61388          142.250.195.142:443     ESTABLISHED
TCP    10.1.4.56:61390          13.107.137.11:443       ESTABLISHED

Command Prompt

UDP    0.0.0.0:5353             **
UDP    0.0.0.0:5353             **
UDP    0.0.0.0:5353             **
UDP    0.0.0.0:5353             **
UDP    0.0.0.0:5353             **
UDP    0.0.0.0:5353             **
UDP    0.0.0.0:5353             **
UDP    0.0.0.0:5353             **
UDP    0.0.0.0:49250            **
UDP    0.0.0.0:50082            **
UDP    0.0.0.0:50766            **
UDP    0.0.0.0:50767            **
UDP    0.0.0.0:53480            **
UDP    10.1.4.56:137            **
UDP    10.1.4.56:138            **
UDP    10.1.4.56:1900            **
UDP    10.1.4.56:63822          **
UDP    127.0.0.1:1900            **
UDP    127.0.0.1:10010          **
UDP    127.0.0.1:59571          127.0.0.1:59571         **
UDP    127.0.0.1:62114          127.0.0.1:62114         **
UDP    127.0.0.1:63823          **
UDP    172.19.80.1:137          **
UDP    172.19.80.1:138          **
UDP    172.19.80.1:1900          **
UDP    172.19.80.1:63820        **
UDP    192.168.56.1:137         **
UDP    192.168.56.1:138         **
UDP    192.168.56.1:1900        **
UDP    192.168.56.1:63821      **
UDP    [:]:5353                  **
UDP    [:]:5353                  **
UDP    [:]:5353                  **
UDP    [:]:5353                  **
UDP    [:]:5355                  **
UDP    [:]:49250                 **
UDP    [:]:50082                 **
UDP    [:]:50768                 **
UDP    [:]:53480                 **
UDP    [:]:1:1900                **
UDP    [:]:63819                 **
UDP    [fe80::49e0:77c7:94b4:e311a9]:1900 **
UDP    [fe80::b5ba:b7c8:656f:3fd1a49]:1900 **
UDP    [fe80::b5ba:b7c8:656f:3fd1a49]:63816 **
UDP    [fe80::d8bd:e7e5:af4:a830a14]:1900 **
UDP    [fe80::d8bd:e7e5:af4:a830a14]:63818 **

C:\Users\keert>
```

4. tracer :

```
C:\Users\keert>tracert google.com

Tracing route to google.com [142.250.183.206]
over a maximum of 30 hops:
  1  14 ms  8 ms  4 ms  10.1.0.1
  2  17 ms  7 ms  12 ms  192.168.5.1
  3  13 ms  9 ms  3 ms  192.168.234.1
  4  16 ms  5 ms  10 ms  1.6.222.153
  5  18 ms  20 ms  21 ms  100.70.137.135
  6  24 ms  21 ms  18 ms  100.70.137.119
  7  * * 21 ms * 100.72.19.12
  8  * * * * Request timed out.
  9  * * 18 ms 100.70.136.61
 10 22 ms 19 ms 19 ms 72.14.210.200
 11 18 ms 20 ms 18 ms 142.251.225.9
 12 28 ms 17 ms 17 ms 142.251.64.11
 13 20 ms 20 ms 22 ms bond7s33-in-r14.1e100.net [142.250.183.206]

Trace complete.
```

5. nslookup :

```
C:\Users\keert>nslookup google.com
Server: PESUEC.pdc.local
Address: 192.168.3.2

Non-authoritative answer:
Name: google.com
Addresses: 2404:6808:4009:82b::200e
          142.251.42.14
```

6. Arp :

```
C:\Users\keert>arp -a

Interface: 192.168.56.1 --- 0x9
Internet Address      Physical Address      Type
192.168.56.255        ff-ff-ff-ff-ff-ff     static
224.0.0.5             01-00-5e-00-00-05     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: 10.1.4.56 --- 0xe
Internet Address      Physical Address      Type
10.1.0.1              3c-a8-2a-4a-d7-80     dynamic
10.1.4.8              b0-39-56-8d-96-e9     dynamic
10.1.6.59             c0-a5-e0-94-15-8d     dynamic
10.1.7.255            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: 172.19.80.1 --- 0x31
Internet Address      Physical Address      Type
172.19.95.255         ff-ff-ff-ff-ff-ff     static
224.0.0.5             01-00-5e-00-00-05     static
224.0.0.22            01-00-5e-00-00-16     static
224.0.0.251           01-00-5e-00-00-fb     static
239.255.255.250       01-00-5e-7f-ff-fa     static
```

7. netsh :

```
C:\Users\keert>netsh wlan show profiles

Profiles on interface Wi-Fi:

Group policy profiles (read only)

-----
<None>

User profiles

All User Profile : tc_test
All User Profile : osman
All User Profile : IQOO Neo6
All User Profile : No victims
All User Profile : VASUDEEV
All User Profile : Redmi Note 7 Pro
All User Profile : RAMHURAN 9048
All User Profile : PESU-BOYS HOSTELS
All User Profile : PESU-EC-Campus
All User Profile : OnePlus Nord 2 5G 2
All User Profile : OnePlus Nord 3 5G
All User Profile : OPPO A53
All User Profile : Moto edge 40
All User Profile : Mahesh
All User Profile : MAHESH 4455
All User Profile : LAPTOP-253RHP1 2899
All User Profile : Galaxy M316488
All User Profile : Galaxy A13A207
All User Profile : Galaxy A86 1978
All User Profile : DEADLIVIRUS69 4070
All User Profile : Airtel_Aura Exclusive Store
All User Profile : AMAATRA-HOSTEL
```

8. getmac :

```
C:\Users\keert>getmac /v

Connection Name Network Adapter Physical Address Transport Name
=====
Wi-Fi MediaTek Wi-Fi CC-07-08-38-94-e3 \Device\NPF{1483A531-ABE1-4A77-8E70-59407ECA34EA}
Bluetooth Netwo Bluetooth Devic CC-07-08-38-94-62 Media disconnected
Local Area Conn Microsoft Wi-Fi CE-07-08-38-94-33 Media disconnected
Ethernet 2 Virtualbox Host 8A-08-27-00-00-14 \Device\NPF{F8072F90-A293-4D06-8DFC-1FDE1980D47}
```

9. Tasklist:

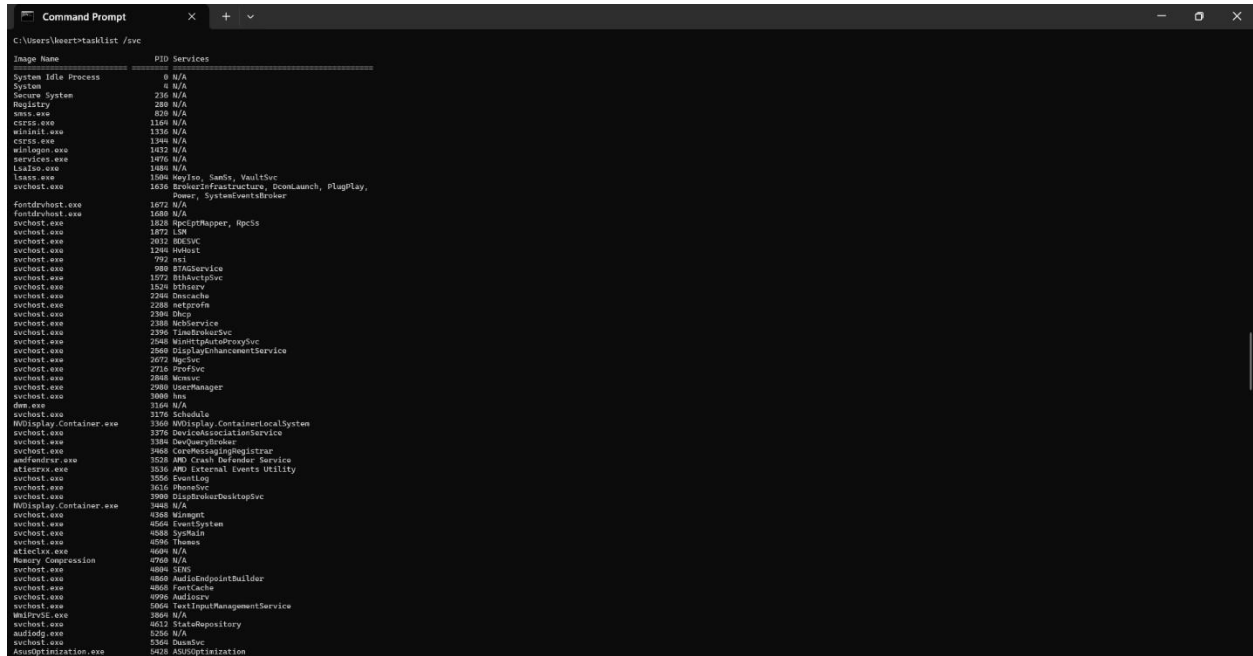


Image Name	PID	Services
System Idle Process	0	N/A
System	4	N/A
Secure System	236	N/A
Registry	288	N/A
smss.exe	820	N/A
csrss.exe	1360	N/A
wininit.exe	1336	N/A
csrss.exe	1340	N/A
winlogon.exe	1632	N/A
services.exe	1476	N/A
lsass.exe	1480	N/A
lsass.exe	1504	WeyIn, Sands, VaultSvc
svchost.exe	1636	BrokerInfrastructure, DcomLaunch, PlugPlay, Power, SystemEventsBroker
fontdrvhost.exe	1672	N/A
fontdrvhost.exe	1680	N/A
svchost.exe	1828	RpcCtPMapper, RpcSs
svchost.exe	1872	LSM
svchost.exe	2012	WRE3VC
svchost.exe	1240	IMHost
svchost.exe	792	msi
svchost.exe	980	BTAGService
svchost.exe	1572	BitLockerSvc
svchost.exe	1520	btthiercy
svchost.exe	2240	Dmccache
svchost.exe	2280	netprofn
svchost.exe	2380	Dhcp
svchost.exe	2380	WdsService
svchost.exe	2396	TimeBrokerSvc
svchost.exe	2640	WsmiWmiDataAccessSvc
svchost.exe	2640	DisplayEnhancementService
svchost.exe	2672	HgSvc
svchost.exe	2716	ProfSvc
svchost.exe	2688	Mcsmvc
svchost.exe	2960	UserManager
svchost.exe	3000	hms
dm.exe	1160	N/A
svchost.exe	3176	Schedule
WDisplay.Container.exe	3360	WDisplay.ContainerLocalSystem
svchost.exe	3376	DeviceAssociationService
svchost.exe	3380	DevQueryBroker
svchost.exe	3968	CoreMessagingRegistrar
amifendrvr.exe	3528	AMD Crash Defender Service
atl2.exe	3536	AMD External Events Utility
svchost.exe	3556	EventLog
svchost.exe	3616	Phmedrv
svchost.exe	3908	DisplayBrokerDesktopSvc
WDisplay.Container.exe	3640	N/A
svchost.exe	4368	Wimgmt
svchost.exe	4564	EventSystem
svchost.exe	4568	SysMain
svchost.exe	4596	Thema
atl2.exe	4600	N/A
Memory Compression	4760	N/A
svchost.exe	4800	SEB
svchost.exe	4880	AudioEndpointBuilder
svchost.exe	4868	FontCache
svchost.exe	4996	Antiscr
svchost.exe	5060	TextInputManagementService
WinPrvC.exe	3860	N/A
svchost.exe	4612	StateRepository
audiodg.exe	1236	N/A
svchost.exe	5360	Omnicore
AudioOptimization.exe	5428	AudioOptimization

10. route :

```
Command Prompt
C:\Users\keert>route print
=====
Interface List
0.0.0.0 15 5d c9 8a 29 .....Hyper-V Virtual Ethernet Adapter
9...0a 88 27 08 08 09 .....VirtualBox Host-Only Ethernet Adapter
28...ce 47 48 38 54 23 .....Microsoft Wi-Fi Direct Virtual Adapter
40...ce 47 48 38 54 33 .....Microsoft Wi-Fi Direct Virtual Adapter #2
14...cc 47 48 38 54 63 .....MediaTek Wi-Fi 6 MT7921 Wireless LAN Card
13...cc 47 48 38 54 62 .....Bluetooth Device (Personal Area Network)
1.....Software Loopback Interface 1
=====

IPv4 Route Table
=====
Active Routes:
Network Destination    Netmask          Gateway          Interface    Metric
0.0.0.0                0.0.0.0          10.1.0.1         10.1.4.56    30
10.1.0.0               255.255.248.0   On-link         10.1.4.56    286
10.1.4.56              255.255.255.255 On-link         10.1.4.56    286
10.1.7.255             255.255.255.255 On-link         10.1.4.56    286
127.0.0.0              255.0.0.0       On-link         127.0.0.1    331
127.0.0.1             255.255.255.255 On-link         127.0.0.1    331
127.255.255.255       255.255.255.255 On-link         127.0.0.1    331
172.19.80.0           255.255.248.0   On-link         172.19.80.1  271
172.19.80.1           255.255.255.255 On-link         172.19.80.1  271
172.19.95.255         255.255.255.255 On-link         172.19.80.1  271
192.168.56.0          255.255.255.0   On-link         192.168.56.1 281
192.168.56.1          255.255.255.255 On-link         192.168.56.1 281
192.168.56.255        255.255.255.255 On-link         192.168.56.1 281
224.0.0.0             240.0.0.0       On-link         127.0.0.1    331
224.0.0.0             240.0.0.0       On-link         192.168.56.1 281
224.0.0.0             240.0.0.0       On-link         172.19.80.1  271
224.0.0.0             240.0.0.0       On-link         10.1.4.56    286
255.255.255.255       255.255.255.255 On-link         127.0.0.1    331
255.255.255.255       255.255.255.255 On-link         192.168.56.1 281
255.255.255.255       255.255.255.255 On-link         172.19.80.1  271
255.255.255.255       255.255.255.255 On-link         10.1.4.56    286
=====
Persistent Routes:
None

IPv6 Route Table
=====
Active Routes:
If Metric Network Destination      Gateway
1 331 ::1/128 On-link
9 281 fe80::/64 On-link
49 271 fe80::/64 On-link
14 286 fe80::/64 On-link
9 281 fe80::49e8:77c7:94b4:e311/128 On-link
49 271 fe80::b5ba:b7c8:656f:3fd1/128 On-link
14 286 fe80::d8bd:e7e5:aff4:a838/128 On-link

Command Prompt
IPv4 Route Table
=====
Active Routes:
Network Destination    Netmask          Gateway          Interface    Metric
0.0.0.0                0.0.0.0          10.1.0.1         10.1.4.56    30
10.1.0.0               255.255.248.0   On-link         10.1.4.56    286
10.1.4.56              255.255.255.255 On-link         10.1.4.56    286
10.1.7.255             255.255.255.255 On-link         10.1.4.56    286
127.0.0.0              255.0.0.0       On-link         127.0.0.1    331
127.0.0.1             255.255.255.255 On-link         127.0.0.1    331
127.255.255.255       255.255.255.255 On-link         127.0.0.1    331
172.19.80.0           255.255.248.0   On-link         172.19.80.1  271
172.19.80.1           255.255.255.255 On-link         172.19.80.1  271
172.19.95.255         255.255.255.255 On-link         172.19.80.1  271
192.168.56.0          255.255.255.0   On-link         192.168.56.1 281
192.168.56.1          255.255.255.255 On-link         192.168.56.1 281
192.168.56.255        255.255.255.255 On-link         192.168.56.1 281
224.0.0.0             240.0.0.0       On-link         127.0.0.1    331
224.0.0.0             240.0.0.0       On-link         192.168.56.1 281
224.0.0.0             240.0.0.0       On-link         172.19.80.1  271
224.0.0.0             240.0.0.0       On-link         10.1.4.56    286
255.255.255.255       255.255.255.255 On-link         127.0.0.1    331
255.255.255.255       255.255.255.255 On-link         192.168.56.1 281
255.255.255.255       255.255.255.255 On-link         172.19.80.1  271
255.255.255.255       255.255.255.255 On-link         10.1.4.56    286
=====
Persistent Routes:
None

IPv6 Route Table
=====
Active Routes:
If Metric Network Destination      Gateway
1 331 ::1/128 On-link
9 281 fe80::/64 On-link
49 271 fe80::/64 On-link
14 286 fe80::/64 On-link
9 281 fe80::49e8:77c7:94b4:e311/128 On-link
49 271 fe80::b5ba:b7c8:656f:3fd1/128 On-link
14 286 fe80::d8bd:e7e5:aff4:a838/128 On-link
1 331 ff00::/8 On-link
9 281 ff00::/8 On-link
49 271 ff00::/8 On-link
14 286 ff00::/8 On-link
=====
Persistent Routes:
None
```

11. Whoami:

```
C:\Users\keert>whoami
laptop-1lrrpic\keert
```

12. Powercfg :

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.26100.2894]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>powercfg /energy
[enabling tracing for 60 seconds...]
[observing system behavior...]
Analyzing trace data...
Analysis complete.

Energy efficiency problems were found.

1 Errors
11 Warnings
90 Informational

See C:\Windows\System32\energy-report.html for more details.

C:\Windows\System32>
```

13. Systeminfo:

```

C:\Users\user>systeminfo

Host Name:          LAMP10P-ILRPGICRM
OS Name:            Microsoft Windows 11 Home Single Language
OS Version:         22 H.2610.0.0.0 N/A Build 22H2
OS Manufacturer:   Microsoft Corporation
OS Configuration:  Standard Edition
OS Build Type:      Multiprocessor Free
Registered Owner:   user@newmail@gmail.com
Registered Organi-  N/A
zation:             HWID-A2060-9F960-A4020
Original Install D- 12/26/2024, 4:21:07 PM
ate:                System Boot Time: 1/2/2025, 13:45:07 PM
System Manufactur- ASUSAI COMPUTER INC.
er:                 System Model:  VM00000_MIG-actor M5600P_M5600P
System Type:        x64-based PC
Processor(s):       1 Processor(s) Installed.
                    [01]: AMD64 Family 25 Model 00 Stepping 0 AuthenticAMD 1882 Mhz
                    American Megatrends International, LLC. M5600P 383, 5/13/2023
BIOS Version:
Windows Directo-   C:\WINDOWS
ry:                 C:\WINDOWS\system32
System Directory:
Boot Device:        \Device\HarddiskVolume1
System Locale:       en-us (English United States)
Input Locale:        en-us
Time Zone:          (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
Total Physical Mem- 15,373 MB
ory:                 Available Physical Memory: 4,788 MB
Virtual Memory: Max 21,061 MB
Size:                Virtual Memory Available: 1,213 MB
Page File Location- C:\pagefile.sys
(s):
Domain:             \\LAMP10P-ILRPGICRM
Logon Server:
NetUse(s):
NetShare(s):
[01]: smbshare1
[02]: smbshare2
[03]: smbshare3
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14. Sc :

```
C:\Users\user> query dmccache

SERVICE_NAME dmccache
TYPE          : 10 WDM22_OWM_PROCESS
STATE         : 4 RUNNING
WDM22_EXIT_CODE      : 0 (No)
SERVICE_EXIT_CODE   : 0 (No)
CHECKPOINT         : 0x0
WAIT_COUNT        : 0x0

C:\Users\user>
```

15. netsh wlan show interfaces:

```
C:\Users\user>net query dmcache
SERVICE_NAME: dmcache
        TYPE               : 10  WIN22_OPM_PROCESS
        STATE               : 4  RUNNING
        CHECKPOINT           : 0  (0x0)
        WIN22_EXIT_CODE      : 0  (0x0)
        SERVICE_EXIT_CODE   : 0  (0x0)
        CHECKPOINT          : 0x0
        WAIT_HINT           : 0x0

C:\Users\user>
```

16. telnet:



17. Pathping:

```
C:\Users\keert>pathping google.com

Tracing route to google.com [142.250.182.110]
over a maximum of 30 hops:
 0  LAPTOP-1LRPIC3M.pdc.local [10.1.4.56]
 1  10.1.0.1
 2  192.168.5.1
 3  192.168.254.1
 4  1.6.222.153
 5  100.70.137.135
 6  *      100.70.137.119
 7  *      100.72.19.12
 8  *      *      *
Computing statistics for 175 seconds...
Hop  RTT      Source to Here   This Node/Link   Address
 0                               0/ 100 = 0%      |
 1  11ms     0/ 100 = 0%     0/ 100 = 0%      | 10.1.0.1
 2  15ms     0/ 100 = 0%     0/ 100 = 0%      | 192.168.5.1
 3   9ms     1/ 100 = 1%     1/ 100 = 1%      | 192.168.254.1
 4  12ms     0/ 100 = 0%     0/ 100 = 0%      | 1.6.222.153
 5  14ms     0/ 100 = 0%     0/ 100 = 0%      | 100.70.137.135
 6  64ms     0/ 100 = 0%     0/ 100 = 0%      | 100.70.137.119
 7  95ms     1/ 100 = 1%     0/ 100 = 0%      | 100.72.19.12
Trace complete.
```

18. Fsutil:

```
Command Prompt
Trace complete.

C:\Users\keert>fsutil behaviour set disable8dot3 1
behaviour is an invalid parameter.
---- Commands Supported ----

8dot3name      8dot3name management
behavior       Control file system behavior
bypassIo       BypassIo management
clfs           CLFS logfile management
dax            Dax volume management
devdrv        Developer volume management
dirty          Manage volume dirty bit
file           File specific commands
fsInfo         File system information
hardlink       Hard link management
objectID       Object ID management
quota          Quota management
repair         Self healing management
reparsePoint   Reparse point management
storageReserve Storage Reserve management
resource       Transactional Resource Manager management
sparse         Sparse file control
tiering        Storage tiering property management
trace          File system trace management
transaction    Transaction management
usn            USN management
volume         Volume management
wim            Transparent wim hosting management

C:\Users\keert>wmic nic get name, macaddress
MACAddress      Name
D4:50:20:52:41:53 WAN Miniport (IKEv2)
D6:54:20:52:41:53 WAN Miniport (L2TP)
D8:76:20:52:41:53 WAN Miniport (PPTP)
CC:47:40:38:54:63 MediaTek Wi-Fi 6 MT7921 Wireless LAN Card
CC:47:40:38:54:62 Bluetooth Device (Personal Area Network)
CE:47:40:38:54:23 Microsoft Wi-Fi Direct Virtual Adapter
CE:47:40:38:54:33 Microsoft Wi-Fi Direct Virtual Adapter #2
0A:00:27:00:00:09 RAS Async Adapter
VirtualBox Host-Only Ethernet Adapter
Hyper-V Virtual Switch Extension Adapter
Remote NDIS based Internet Sharing Device
```


19. wmic:

```
Command Prompt
C:\Users\keert>wmic nic get name, macaddress
Name
MACAddress
WAN Miniport (IKEv2)
WAN Miniport (PPTP)
WAN Miniport (SSTP)
Microsoft Kernel Debug Network Adapter
WAN Miniport (PPPOE)
WAN Miniport (L2TP)
WAN Miniport (IP)
WAN Miniport (Network Monitor)
E6:26:20:52:41:53 MediaTek Wi-Fi 6 MT7921 Wireless LAN Card
CC:47:40:38:54:62 Bluetooth Device (Personal Area Network)
E4:00:20:52:41:53 WAN Miniport (IPv6)
CE:47:40:38:54:23 Microsoft Wi-Fi Direct Virtual Adapter
CE:47:40:38:54:33 Microsoft Wi-Fi Direct Virtual Adapter #2
RAS Async Adapter
0A:00:27:00:00:14 VirtualBox Host-Only Ethernet Adapter
Hyper-V Virtual Switch Extension Adapter
Remote NDIS based Internet Sharing Device

C:\Users\keert>
```

20. net user:

```
C:\Users\keert>net user Administrator
User name Administrator
Full Name
Comment Built-in account for administering the computer/domain
User's comment
Country/region code 000 (System Default)
Account active No
Account expires Never

Password last set 1/27/2025 4:47:10 PM
Password expires Never
Password changeable 1/27/2025 4:47:10 PM
Password required Yes
User may change password Yes

Workstations allowed All
Logon script
User profile
Home directory
Last logon 5/23/2023 5:28:53 AM

Logon hours allowed All

Local Group Memberships *Administrators
Global Group memberships *None
The command completed successfully.

C:\Users\keert>
```