Windows commands

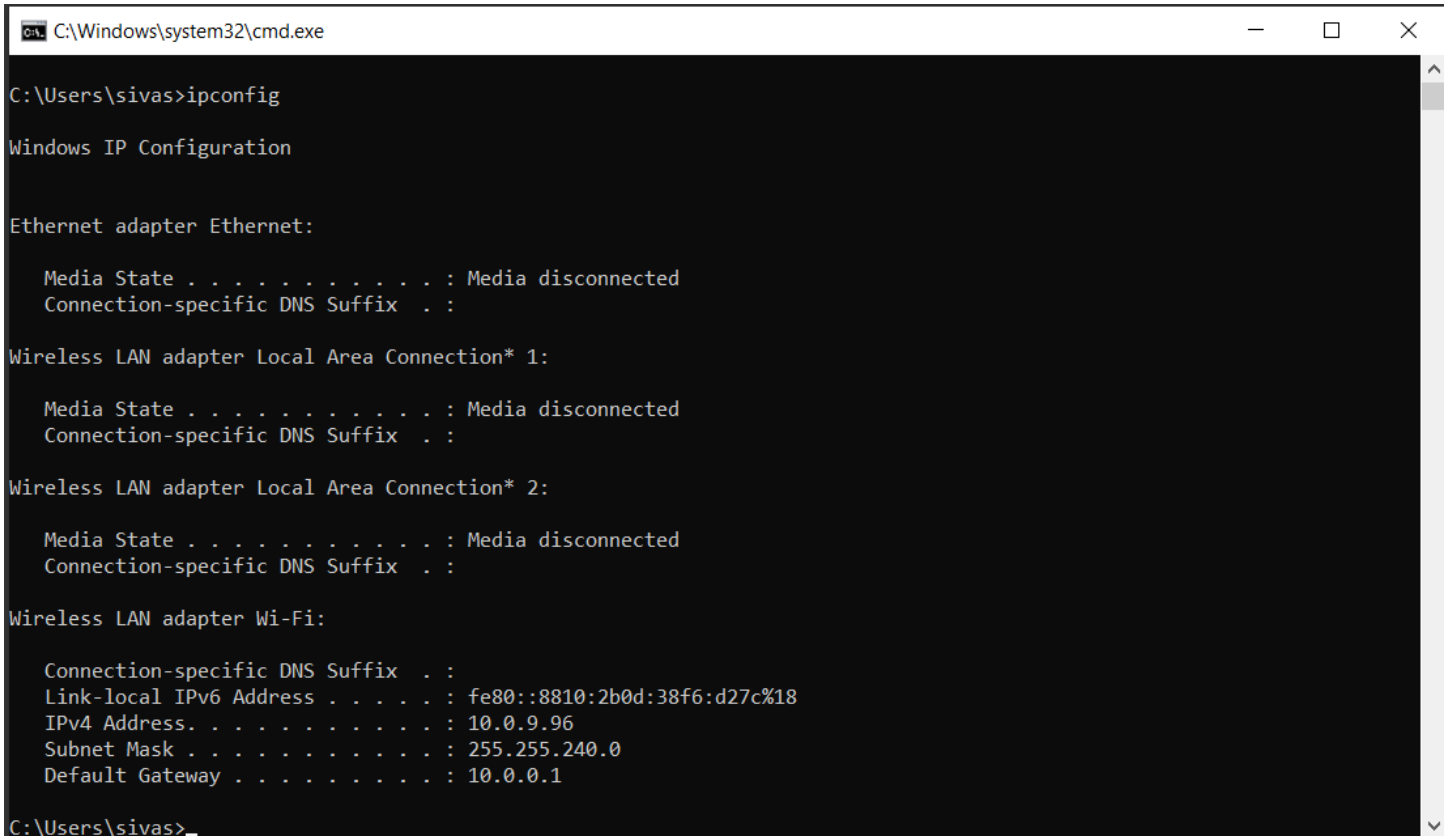
1. Ipconfig

Syntax: ipconfig

Function: cmd to show the NIC ip config and basic details.

More details: Refer Microsoft Learn

Example:



1.1 ipconfig /all

Syntax: ipconfig /all

Function: cmd to show the all NIC details.

1.2 ipconfig /flushdns

Syntax: ipconfig /flushdns

Function: cmd to clear the DNS cache.

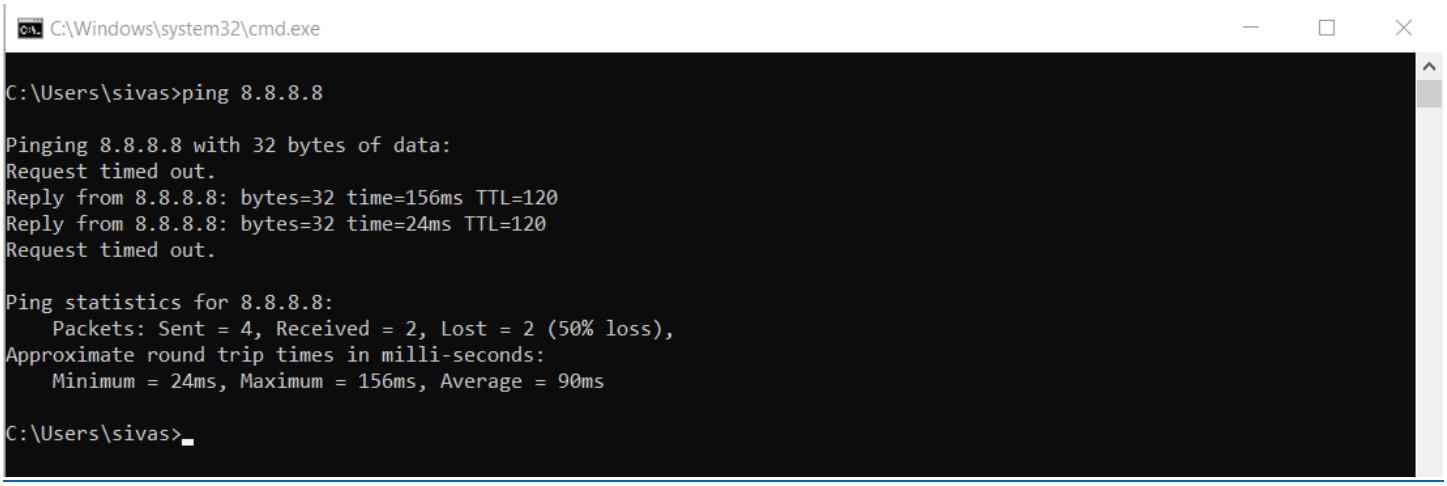
2. Ping

Syntax: ping [ip address]

Function: cmd to check weather the destination computer is reachable or not.

More details: Refer Microsoft Learn

Example:



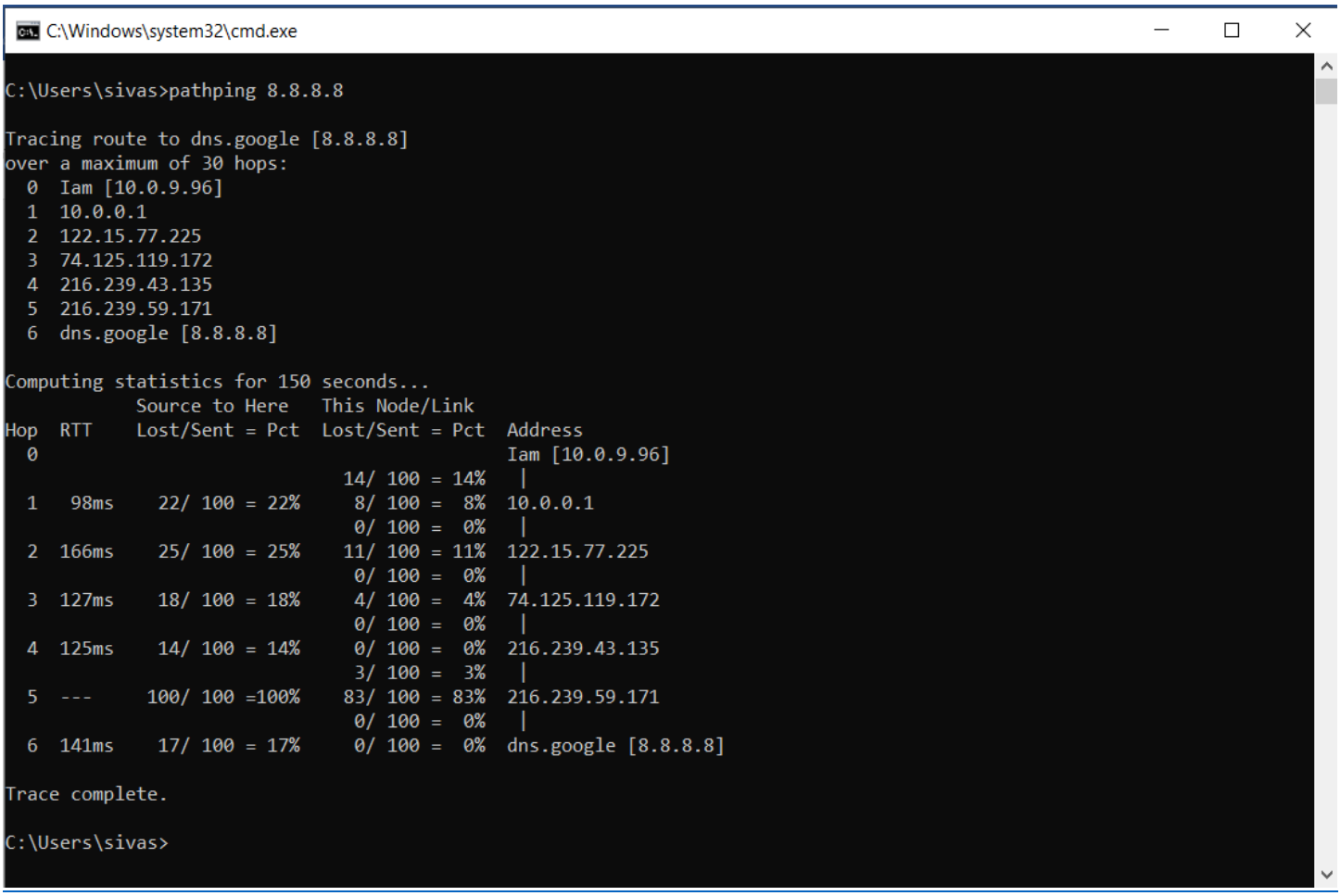
3. Path ping

Syntax: pathping [ip address]

Function: cmd to check the packet loss and no of hops between source and destination.

More details: Refer Microsoft Learn

Example:



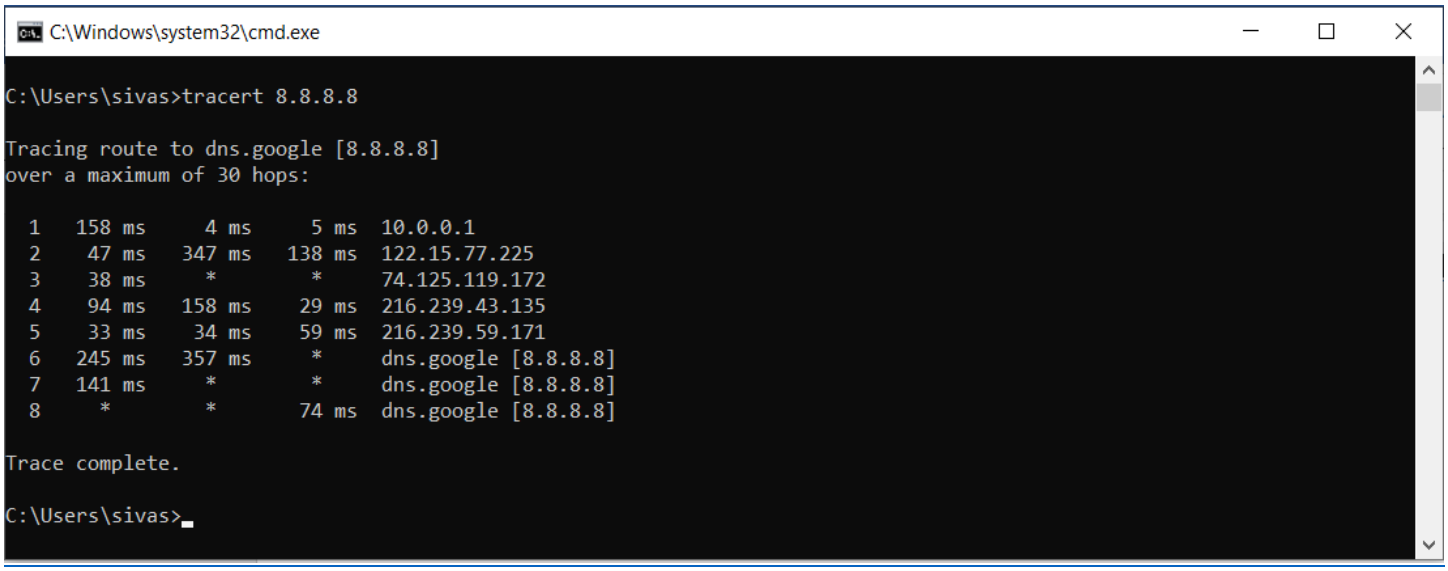
4. Tracert

Syntax: tracert [ip address]

Function: cmd to check the hops and no of router between source and destination.

More details: Refer Microsoft Learn

Example:



5. Nslookup

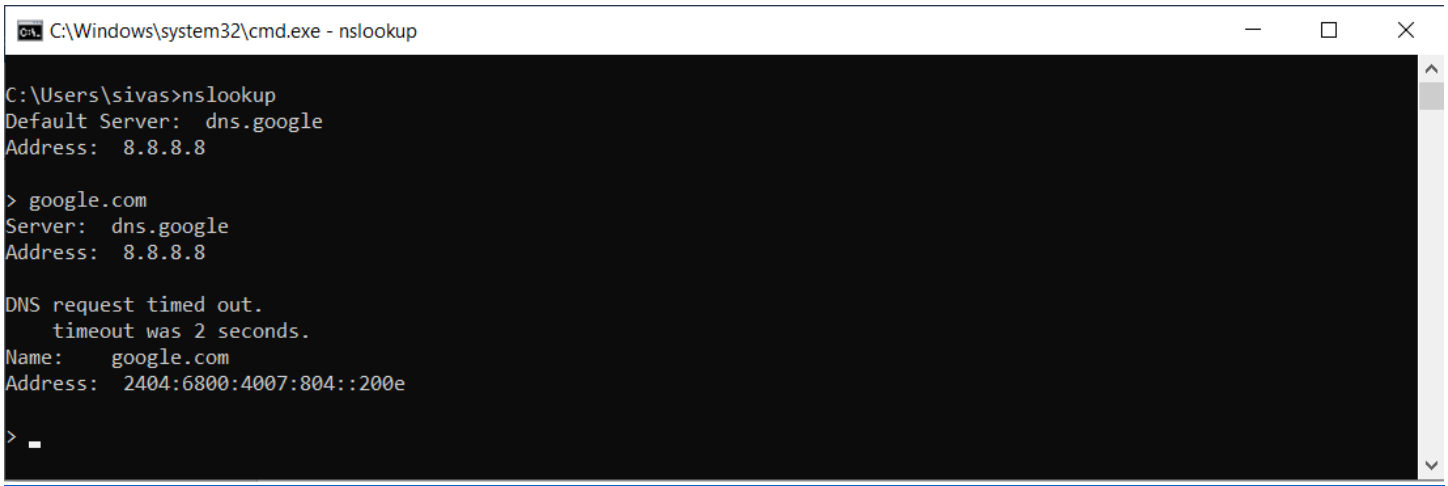
Syntax: nslookup

Syntax: nslookup [domain name]

Function: cmd to resolve the dns name to ip.

More details: Refer Microsoft Learn

Example:



6. Wifi Qrcode generator

Syntax: new-qrcodewifiaccess -SSID "111" -Password "12345678" -outpath "C:/wifi.png"

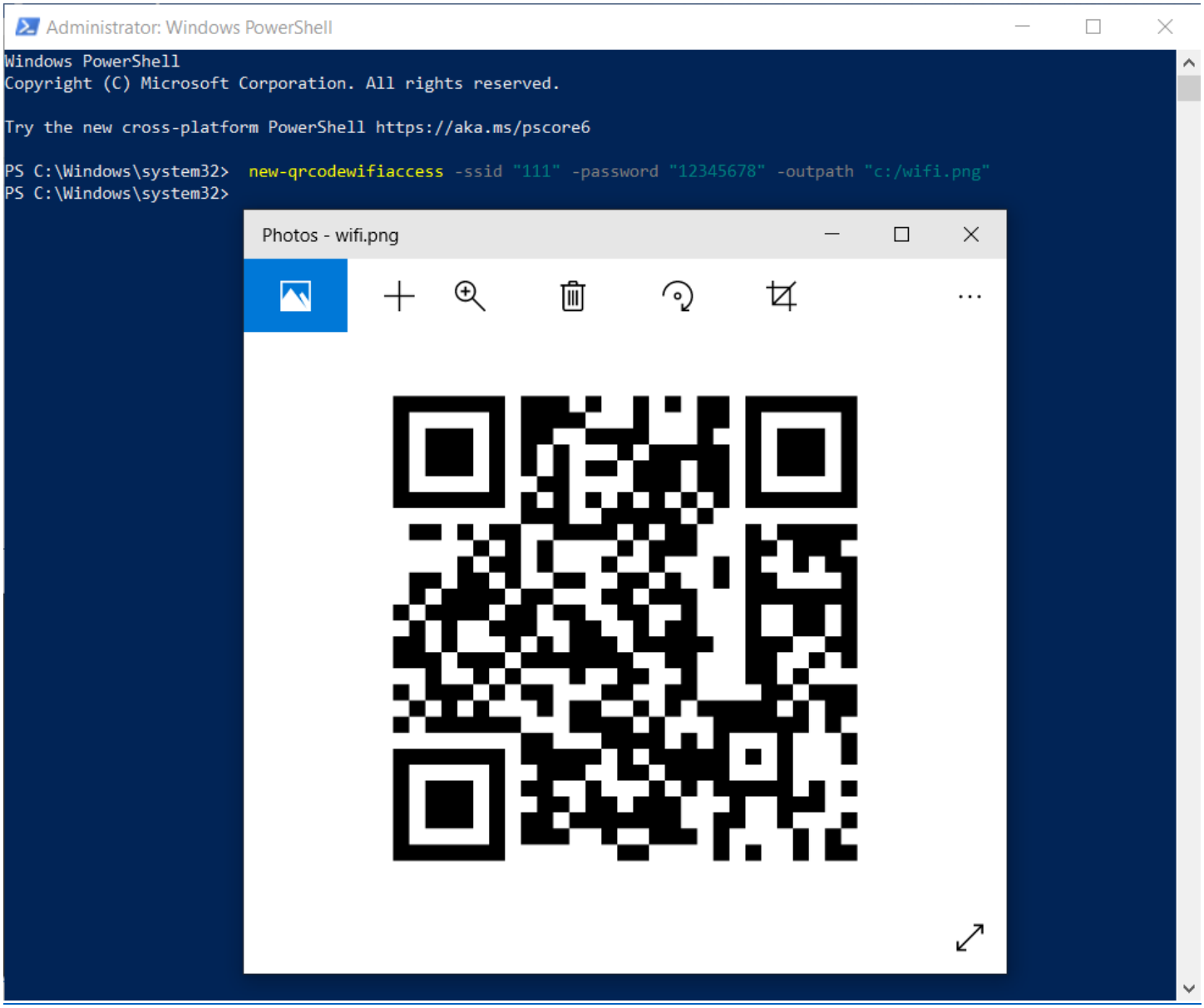
Function: cmd to genetrate wifi qrcode in powershell

Installation cmds: Install-Module -Name QRCodeGenerator

```
Import-Module QRCodeGenerator
```

More details: [Refer Generate QR Code with PowerShell in Windows 10]

Example:



7. Attrib Command

Syntax: attrib “folder_name” +s +h +r

Function: folder is hidden and isn't visible when we select to show all files and folders.

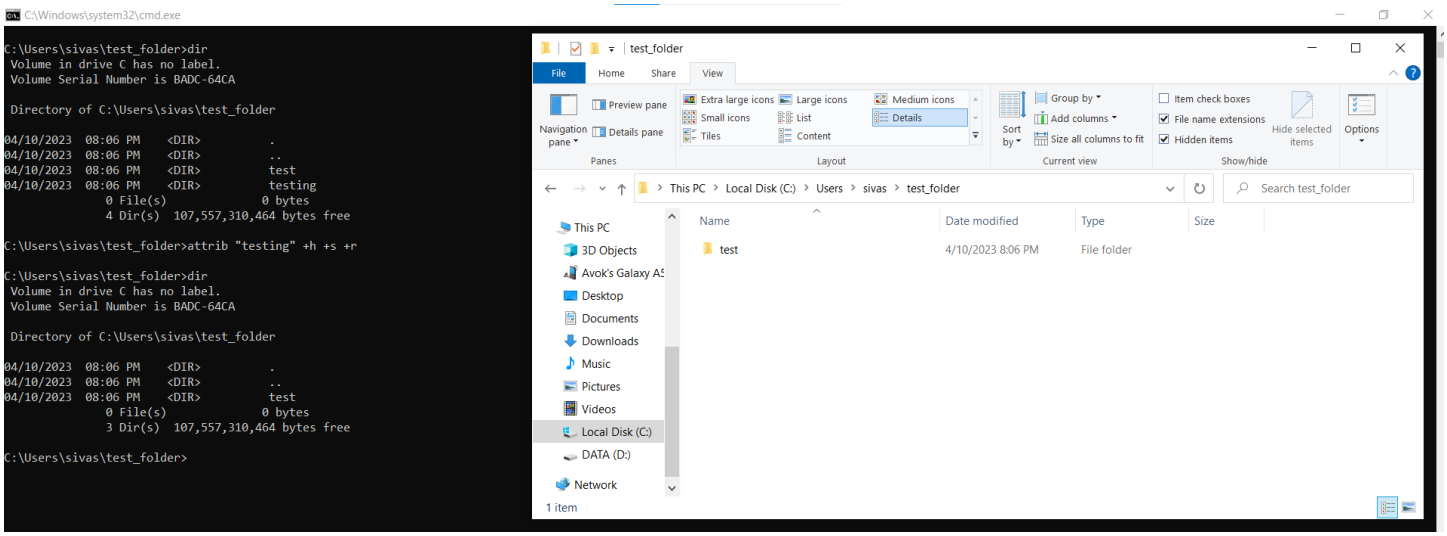
- **s** System
- **h** Hidden
- **r** Read-only

Syntax: attrib “folder_name” -s -h -r

Function: folder is visible when we select to show all files and folders.

More details: Refer www.c-sharpcorner.com

Example:



8. Title

Syntax: title [string]

Function: To change the Command Prompt title.

More details: Refer Microsoft Learn

Example:

9. Prompt

Syntax: prompt [text]

Function: To change executing path name in command prompt.

More details: Refer Microsoft Learn

Example:

10. Netsh

Syntax: netsh wlan show profile

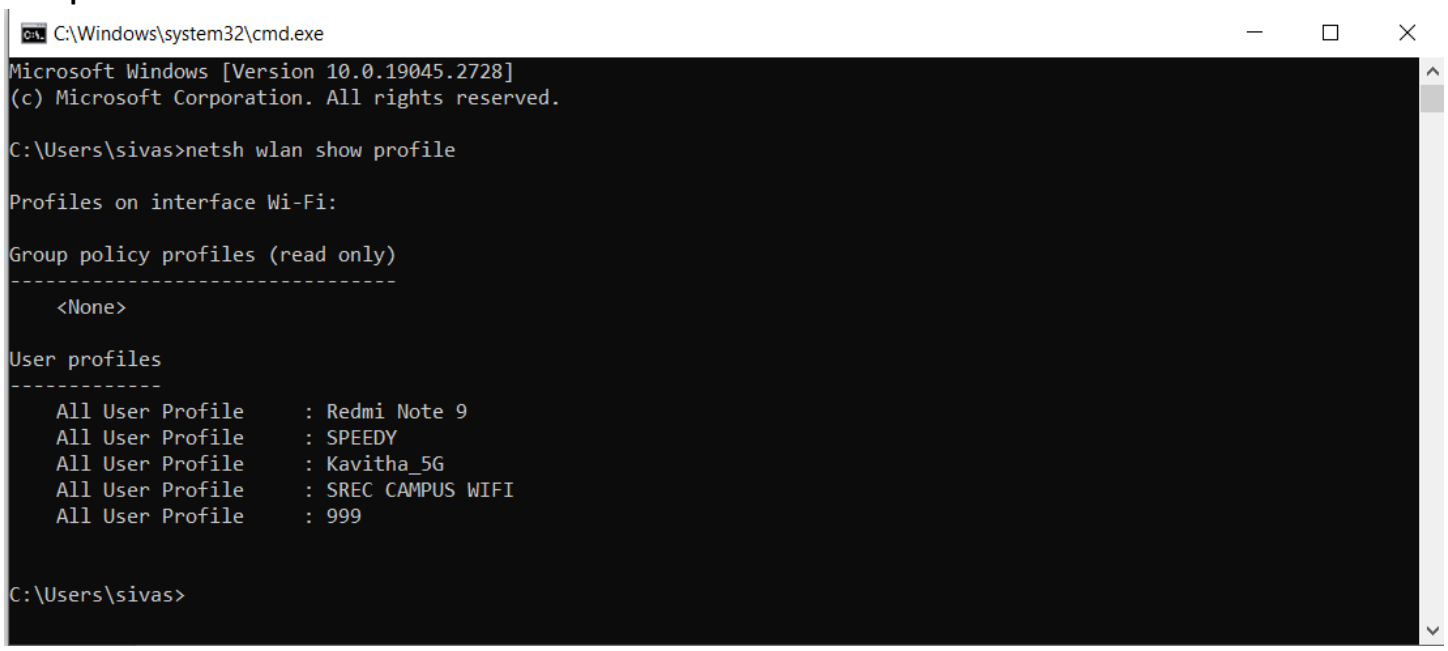
Function: To show a list of network names that we already connect to.

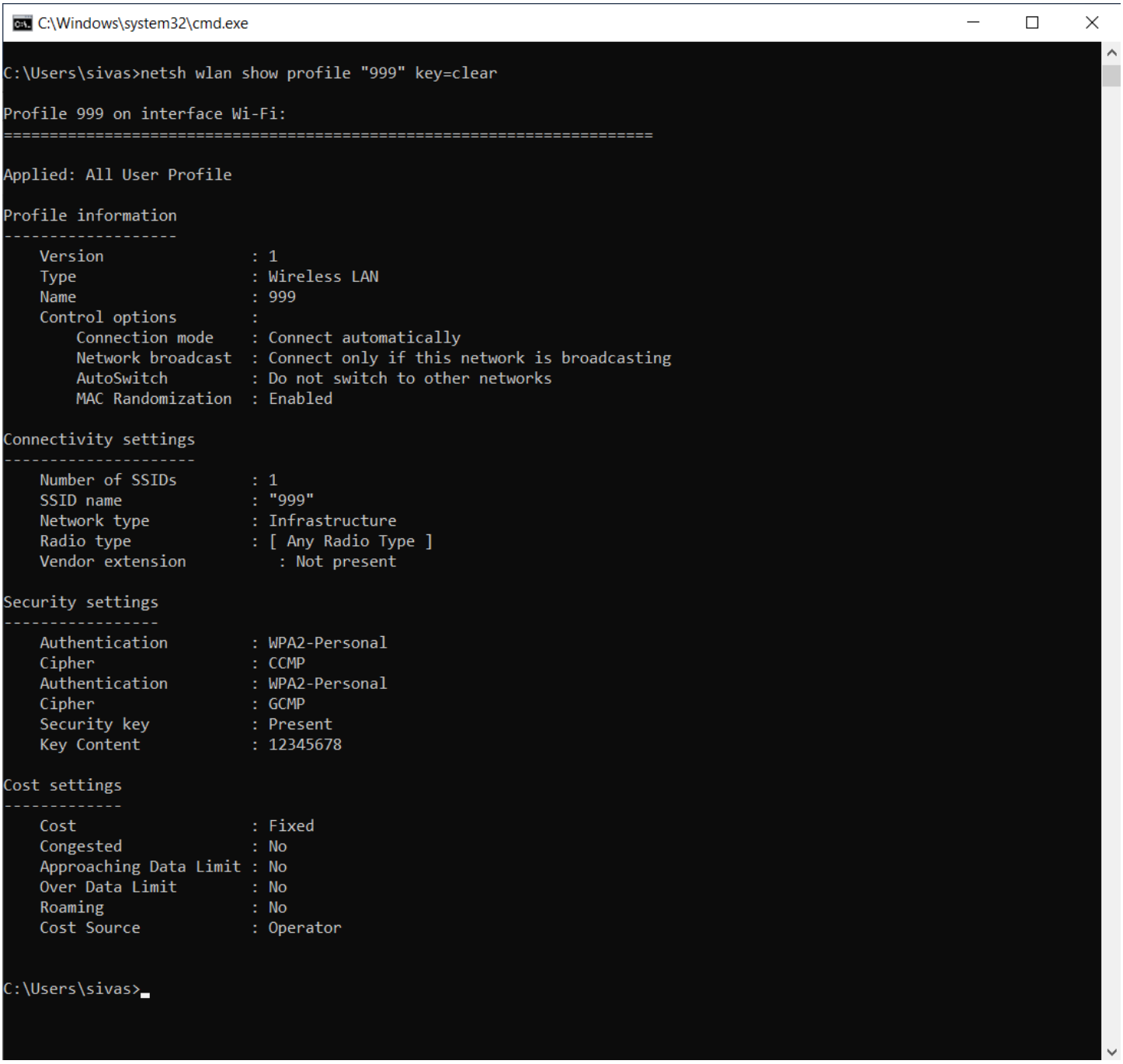
Syntax: netsh wlan show profile name= “Wi-Fi name” key=clear

Function: To show the password of the given wi-fi name

More details: Refer Microsoft Learn

Example:




C:\Windows\system32\cmd.exe
C:\Users\sivas>netsh wlan show profile "999" key=clear
Profile 999 on interface Wi-Fi:
Applied: All User Profile
Profile information
Version : 1
Type : Wireless LAN
Name : 999
Control options :
Connection mode : Connect automatically
Network broadcast : Connect only if this network is broadcasting
AutoSwitch : Do not switch to other networks
MAC Randomization : Enabled
Connectivity settings
Number of SSIDs : 1
SSID name : "999"
Network type : Infrastructure
Radio type : [Any Radio Type]
Vendor extension : Not present
Security settings
Authentication : WPA2-Personal
Cipher : CCMP
Authentication : WPA2-Personal
Cipher : GCMP
Security key : Present
Key Content : 12345678
Cost settings
Cost : Fixed
Congested : No
Approaching Data Limit : No
Over Data Limit : No
Roaming : No
Cost Source : Operator
C:\Users\sivas>

11.