Windows commands

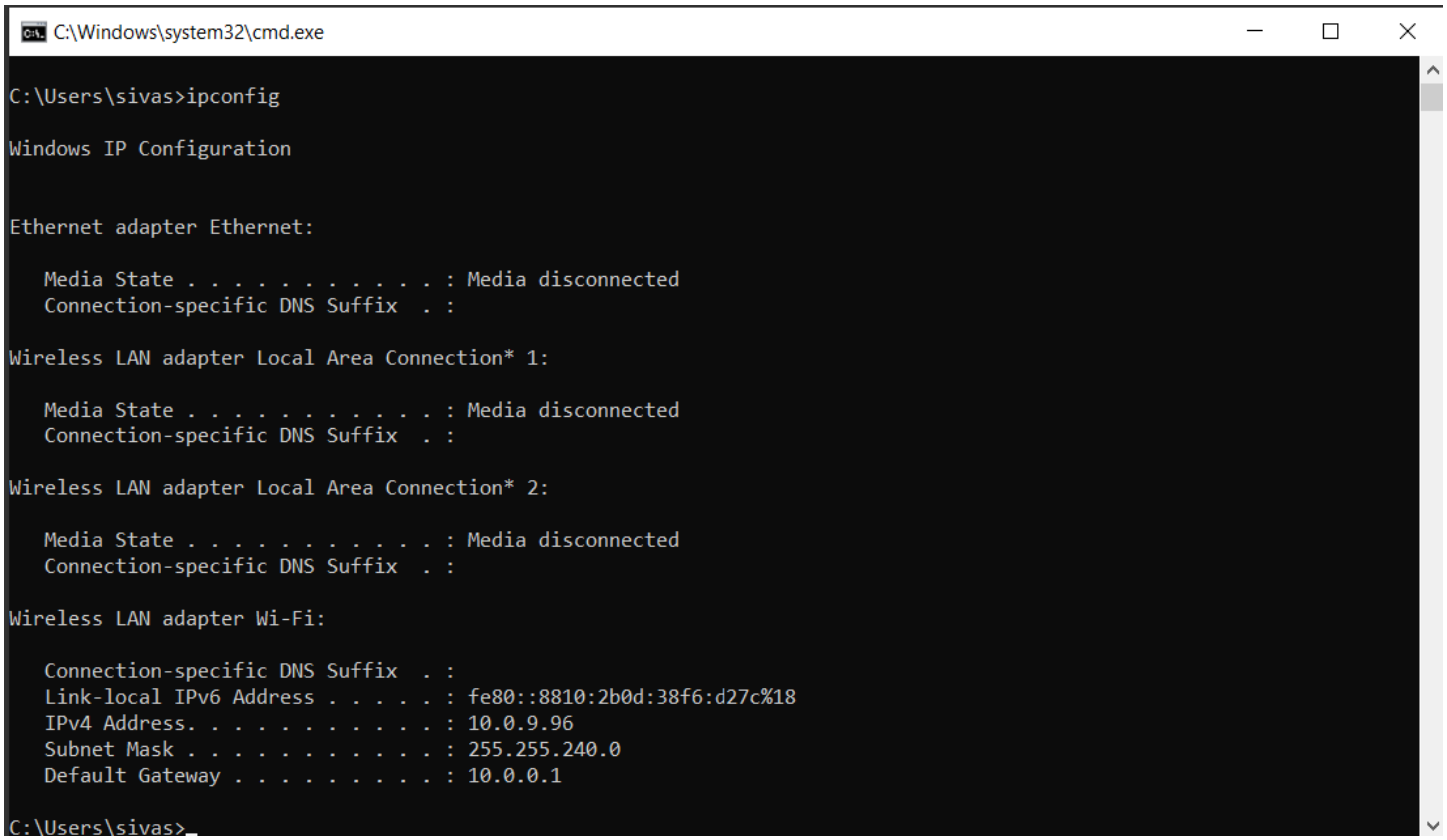
1. Ipconfig

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

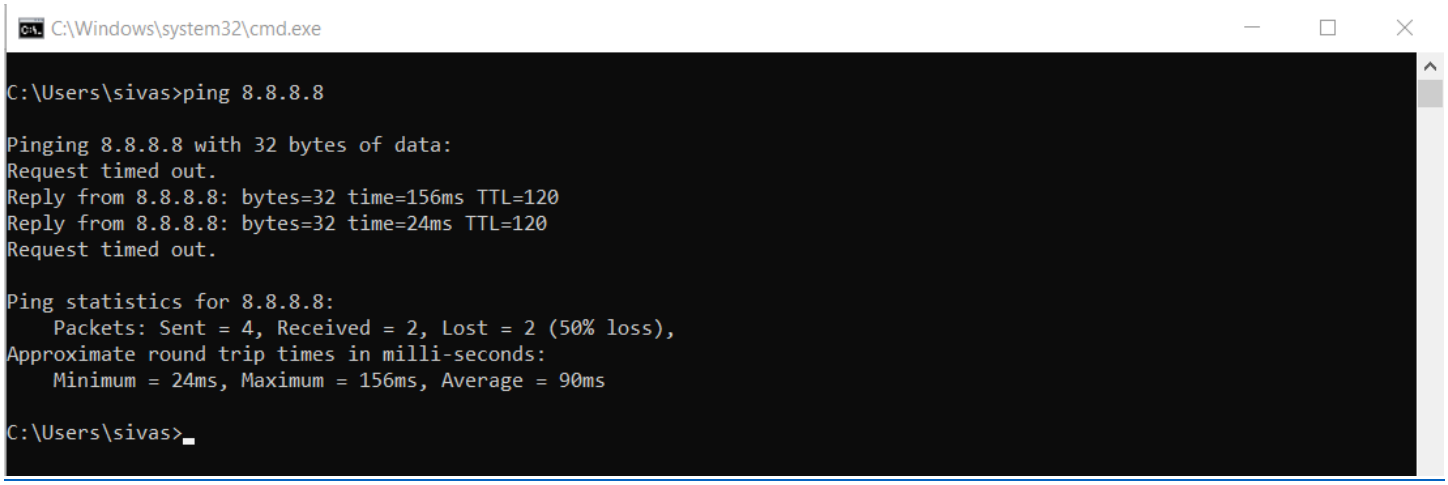
Ping:

Syntax: ping <ip address>

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

More details: Refer Microsoft Learn

Example:



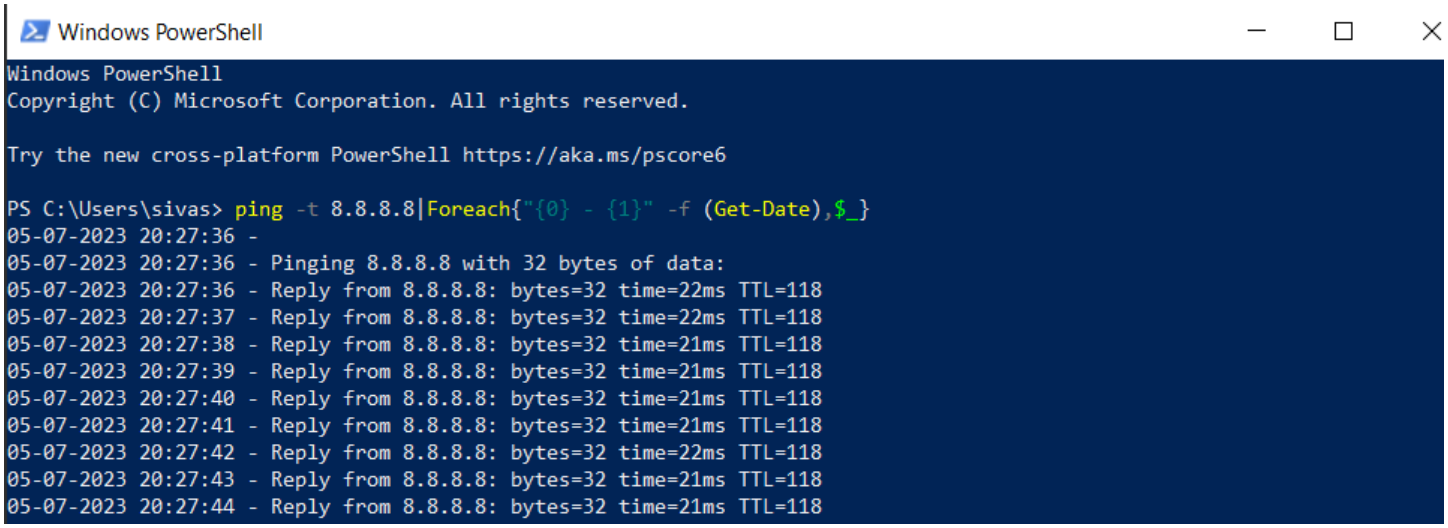
Ping with timestamp:

Syntax: ping -t <ip address> **|Foreach{"{0} - {1}" -f (Get-Date),$_}**

Function: it will work in PowerShell. Normal ping cmd show the reply details of the destination computer but cmd will show the replay with timestamp.

More details: Refer Spiceworks

Example:



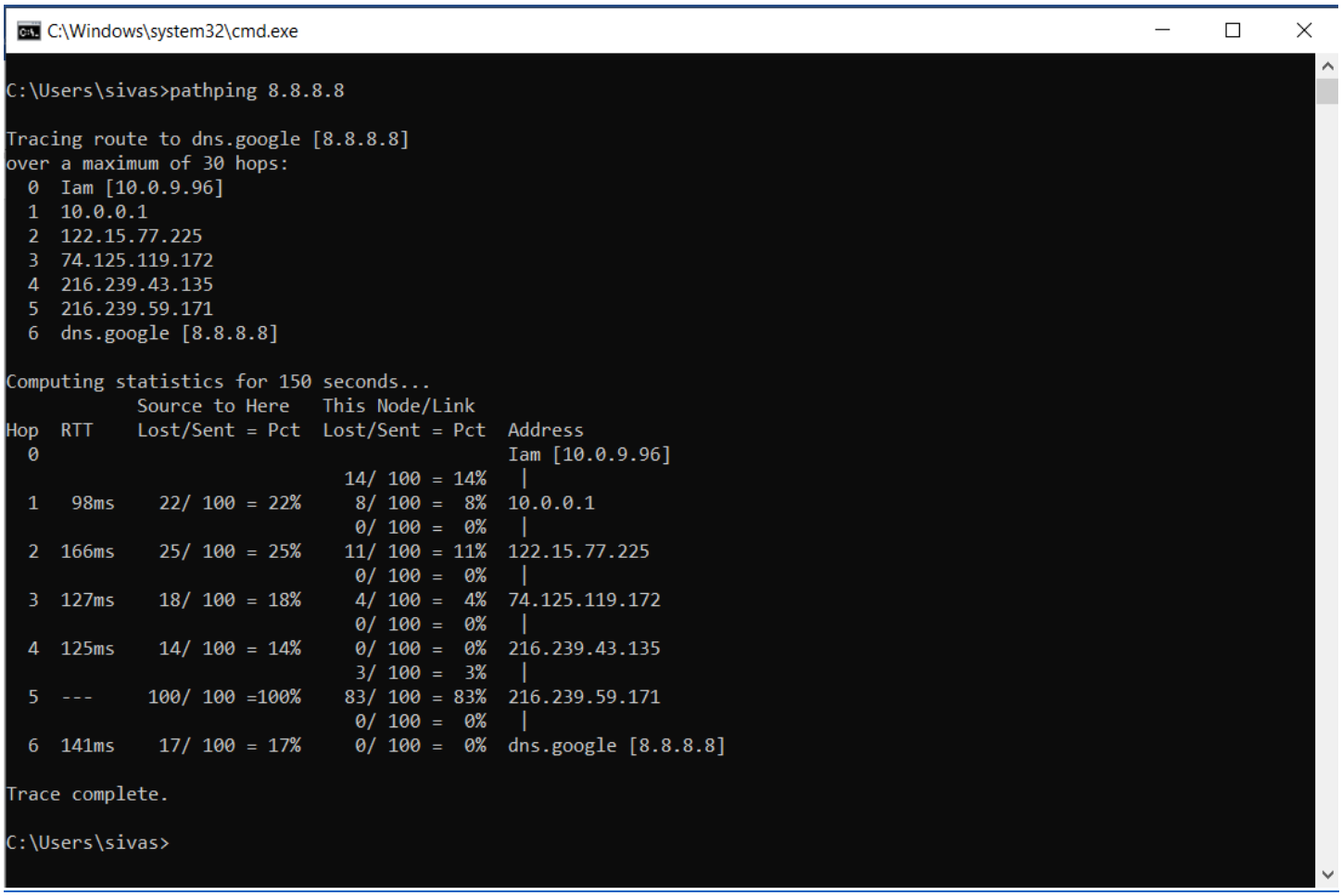
3. Path ping

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:



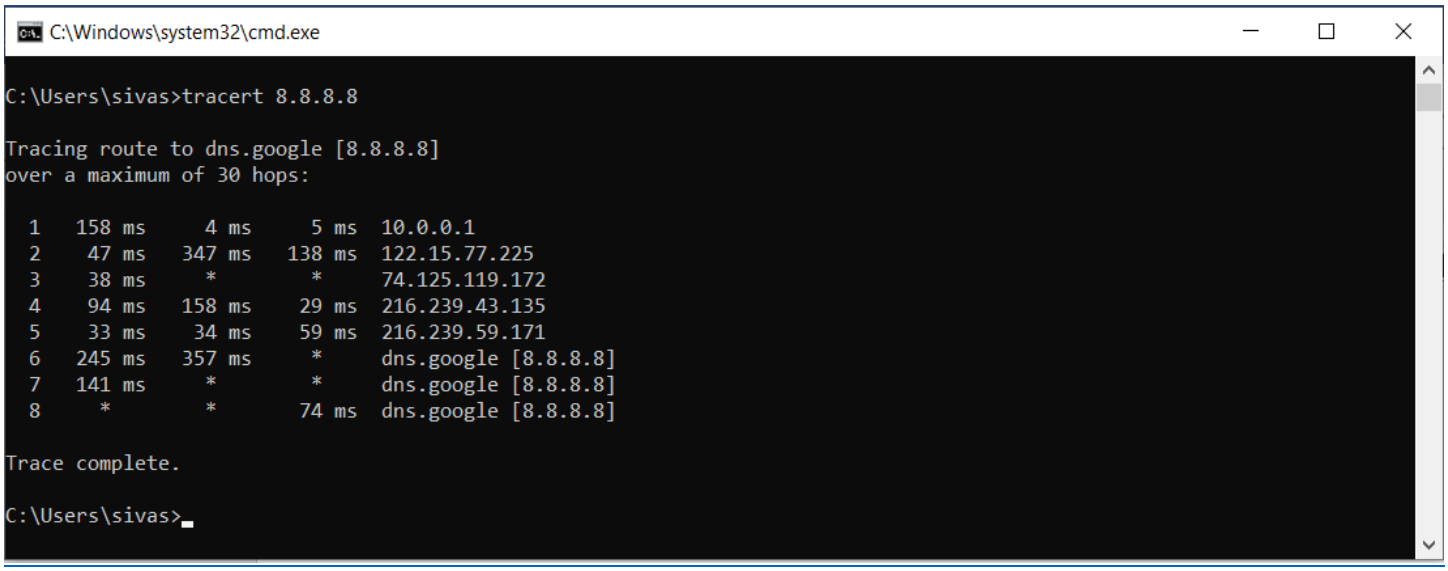
4. Tracert

Syntax: tracert <ip address>

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

More details: Refer Microsoft Learn

Example:



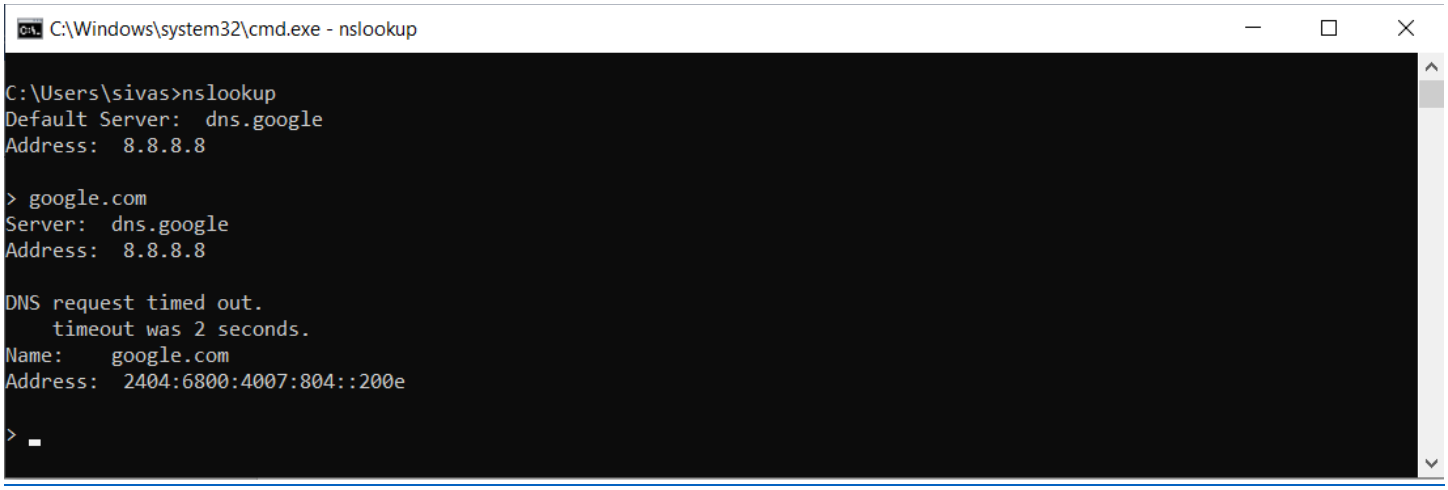
5. Nslookup

Syntax: nslookup <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 "<wifi name>**" -Password "**<wifi password>**" -outpath "**<file path location to save file>**"**

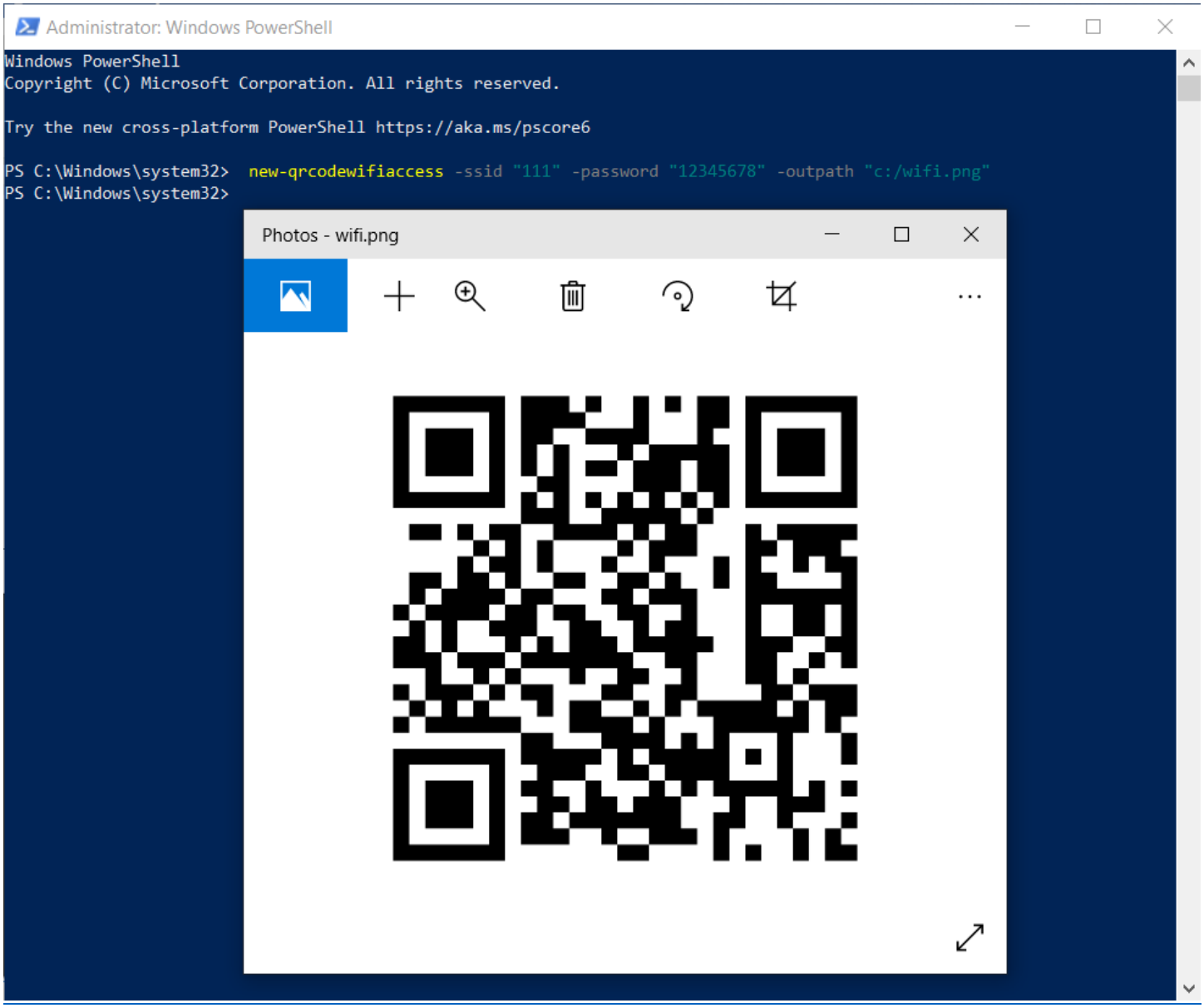
Function: cmd to genetrate wifi qrcode in powershell

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.

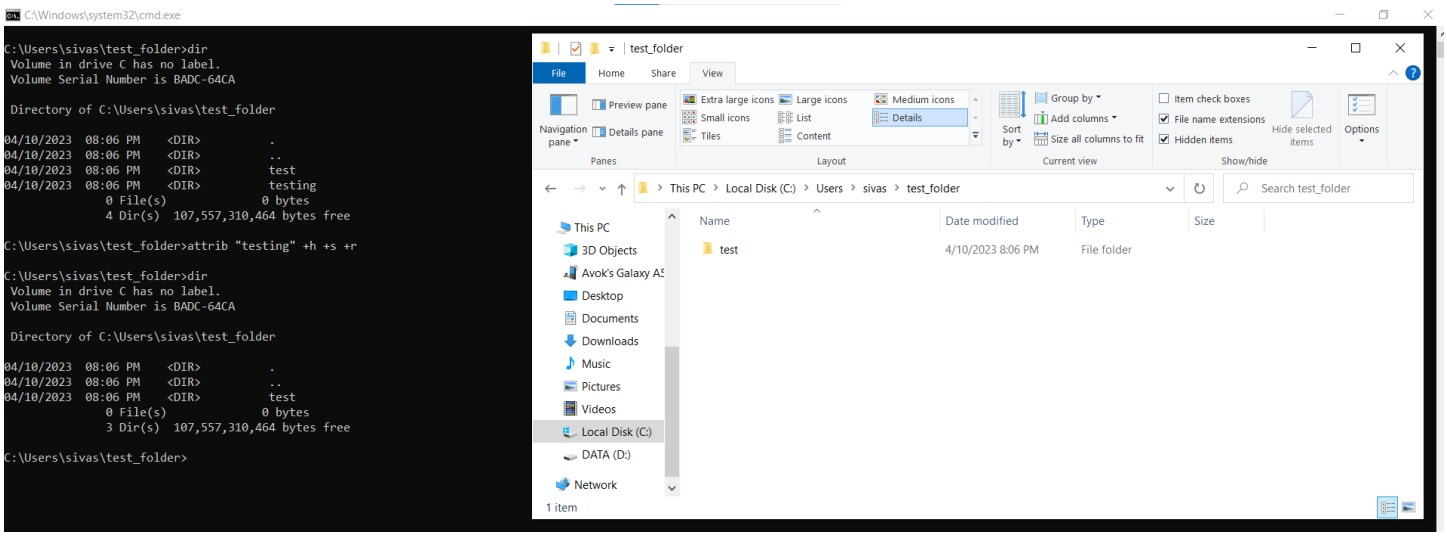
- **s** System
- **h** Hidden
- **r** Read-only

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 wifi password

Syntax: netsh wlan show profile

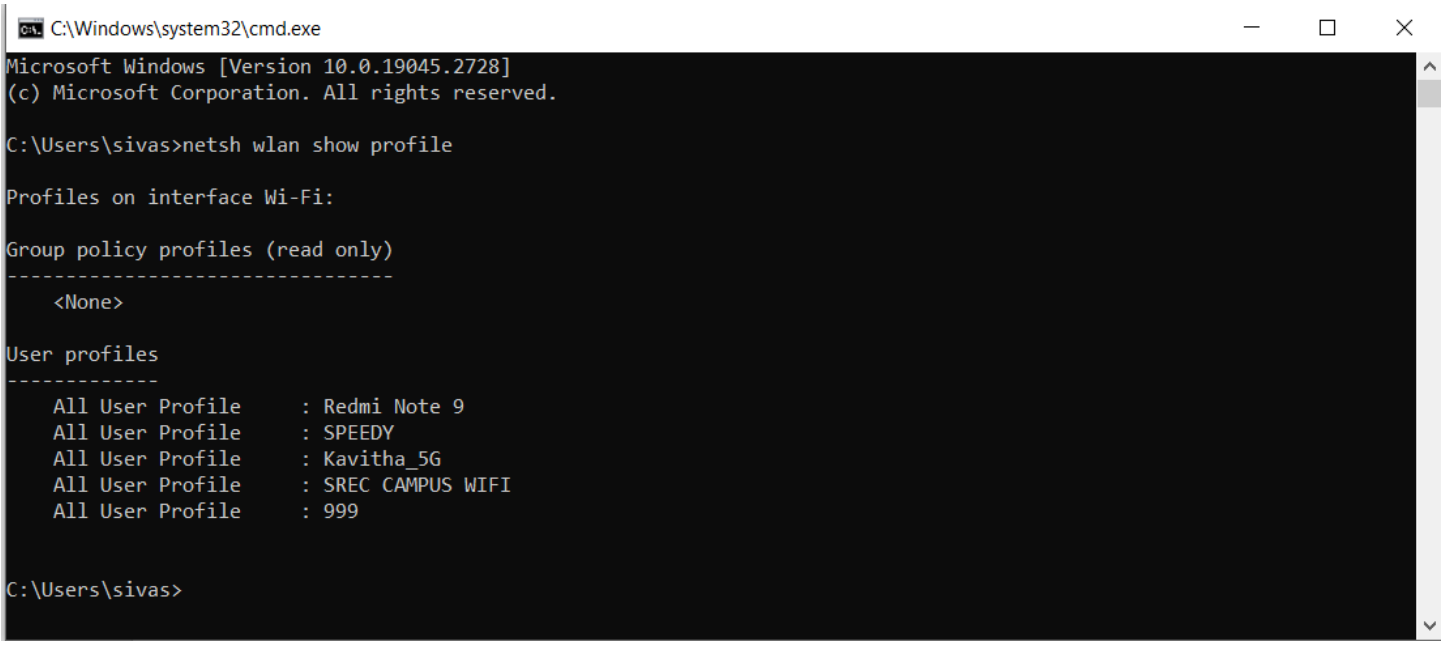
Function: To show a list of network names that we already connect to.

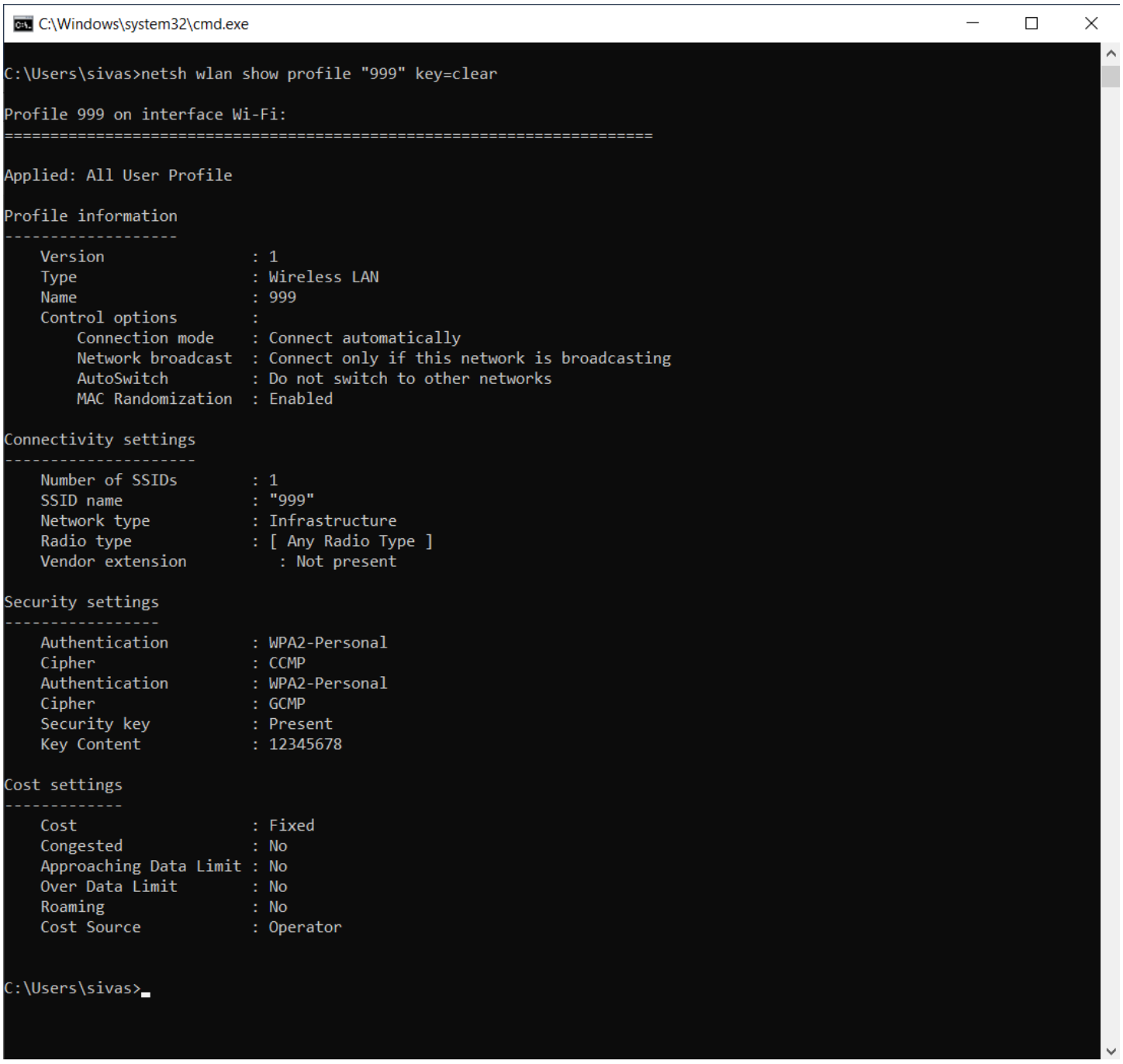
Syntax: netsh wlan show profile name= "<Wi-Fi name>**" key=clear**

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

More details: Refer Microsoft Learn

Example:



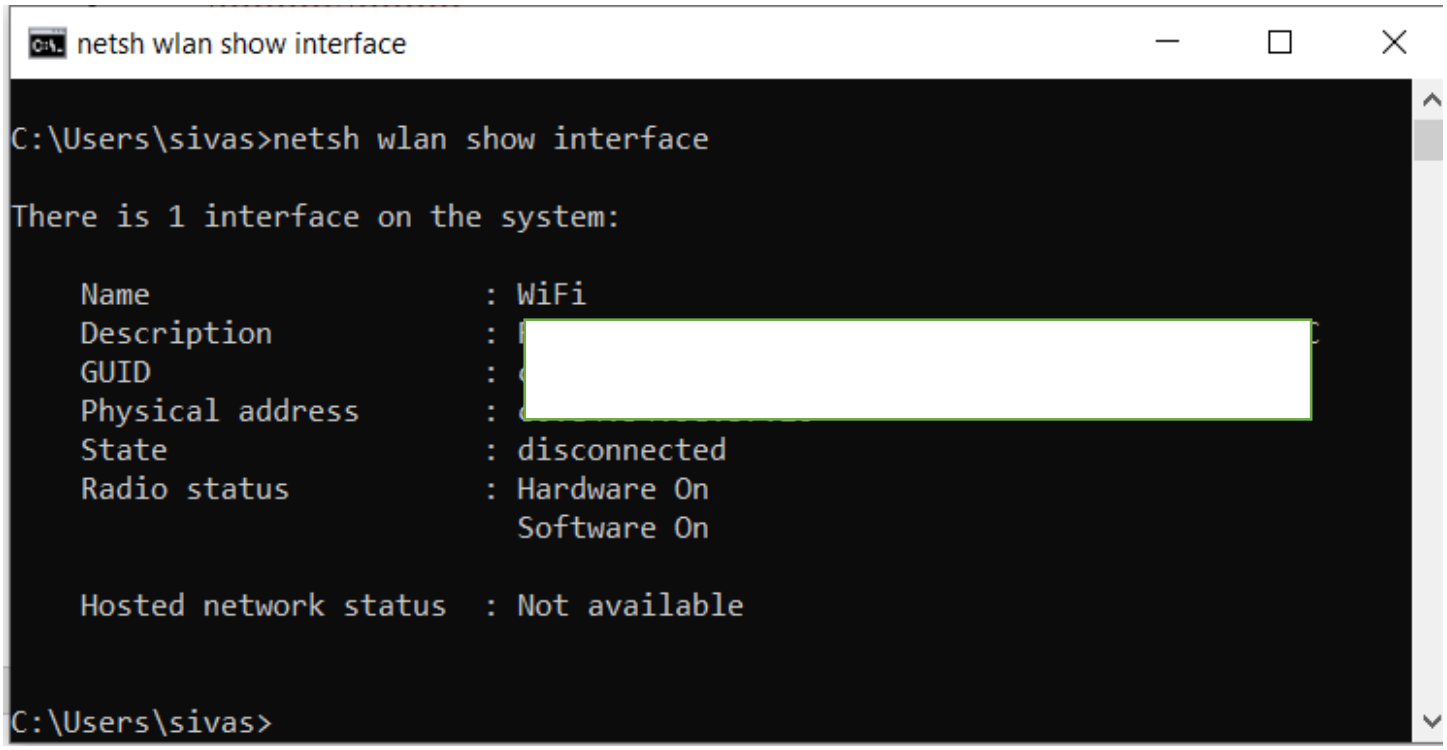


Syntax: netsh wlan show interface

Function: To show wifi interface details.

More details: Refer Udemy video

Example:

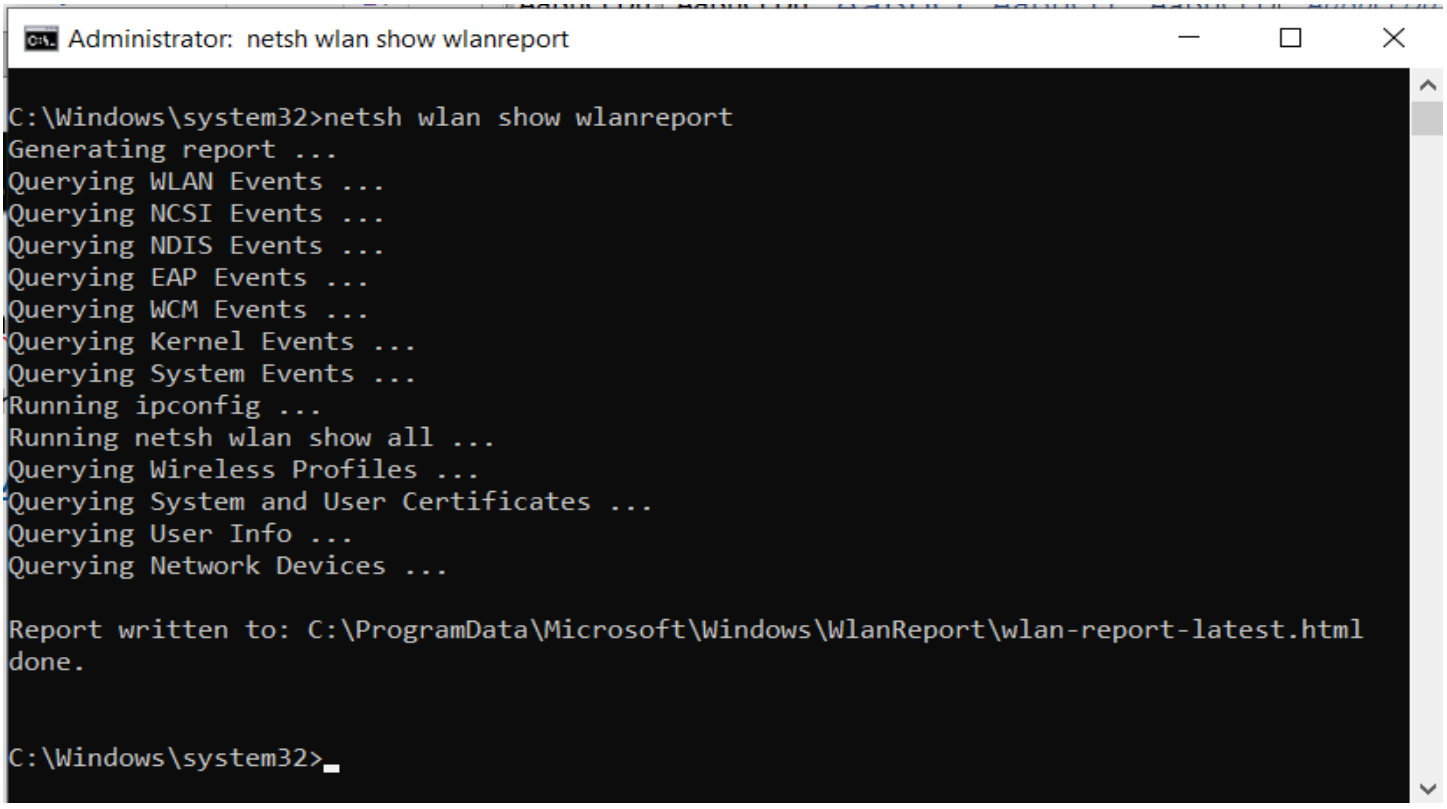


Syntax: netsh wlan show wlanreport

Function: To create the wireless network report. For execute this cmd run the command prompt as administrator mode.

More details: Refer Microsoft support

Example:



11. Manage-bde Bitlocker

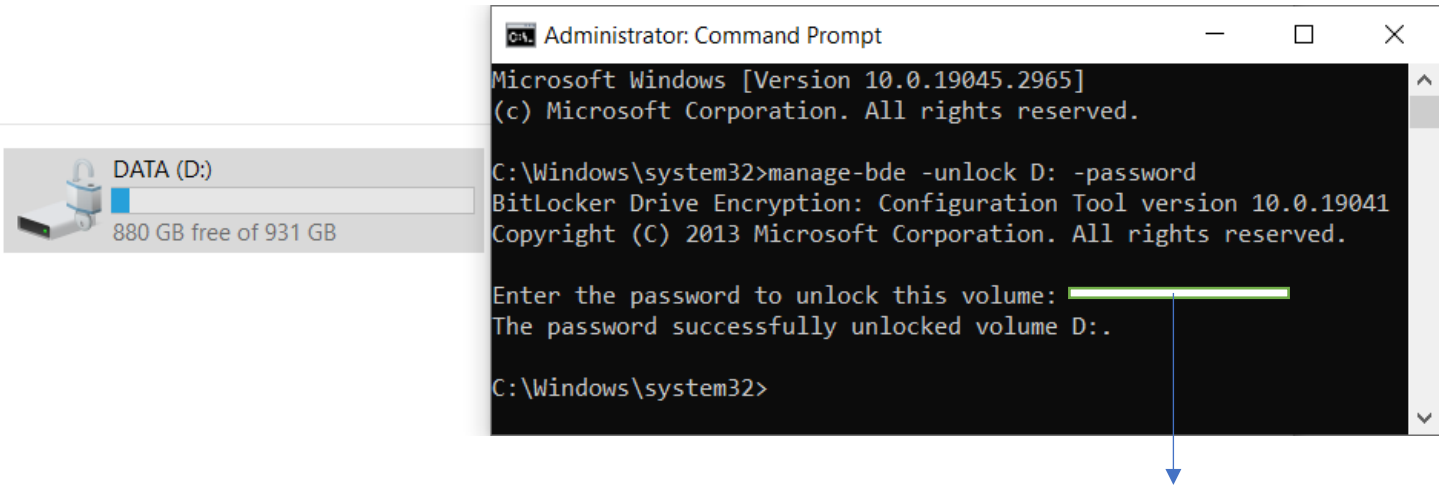
Unlock:

Syntax: Manage-bde -unlock <drive letter>**: -password**

Function: run command prompt in Admin mode to unlock the bitlocker drive.

More details: Refer Microsoft Learn

Example:



Here enter the password of Bitlocker dirve.

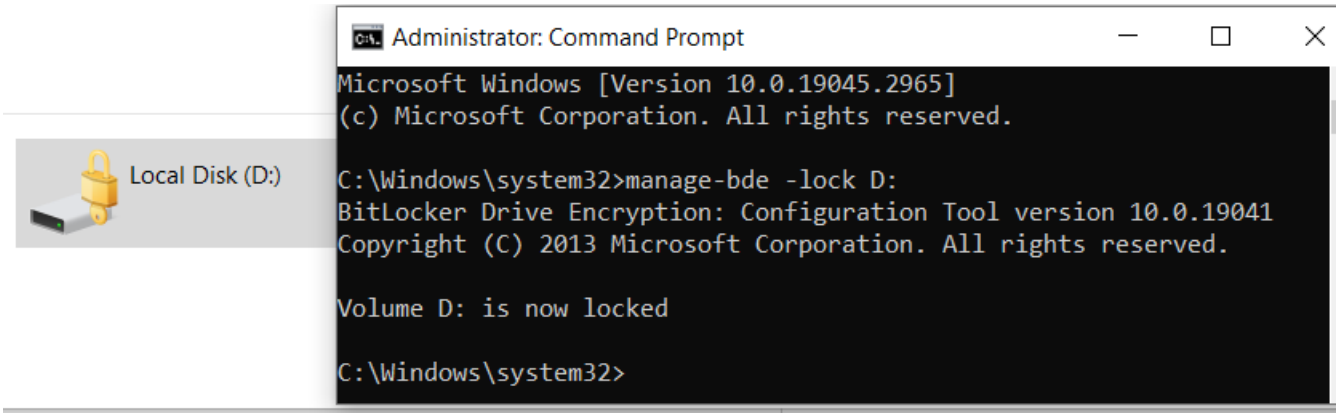
Lock:

Syntax: Manage-bde -lock <drive letter>**:**

Function: run command prompt in Admin mode to lock the bitlocker drive. If any application or file is opened in that drive location it will not lock.

More details: Refer Microsoft Learn

Example:



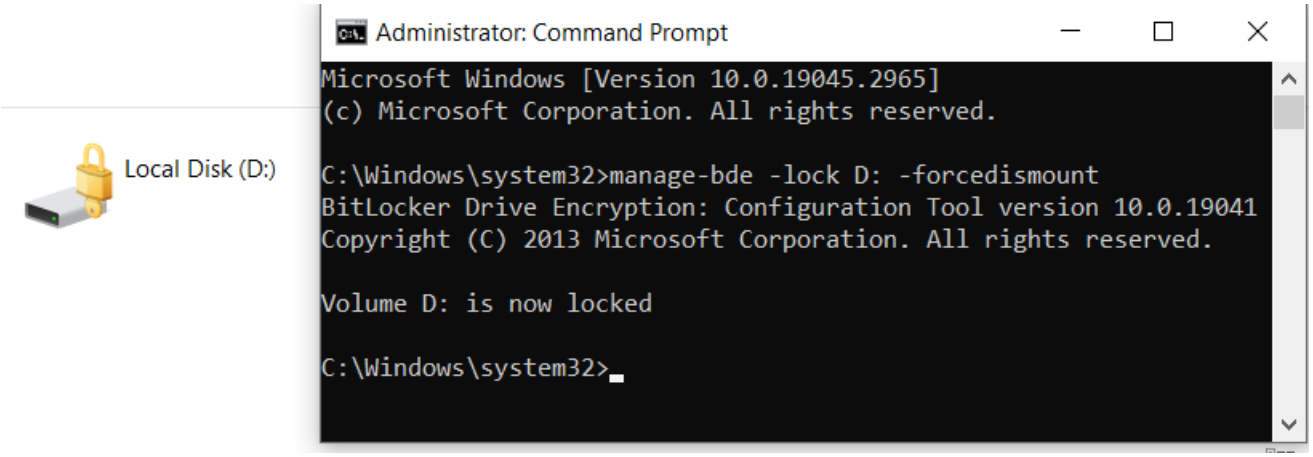
Force lock:

Syntax: Manage-bde -lock <drive letter>**: -forcedismount**

Function: run command prompt in Admin mode to lock the bitlocker drive. If any application or file is opened in that drive location then also it will lock the drive.

More details: Refer Microsoft Learn

Example:



12. Activate Windows watermark temporary remove

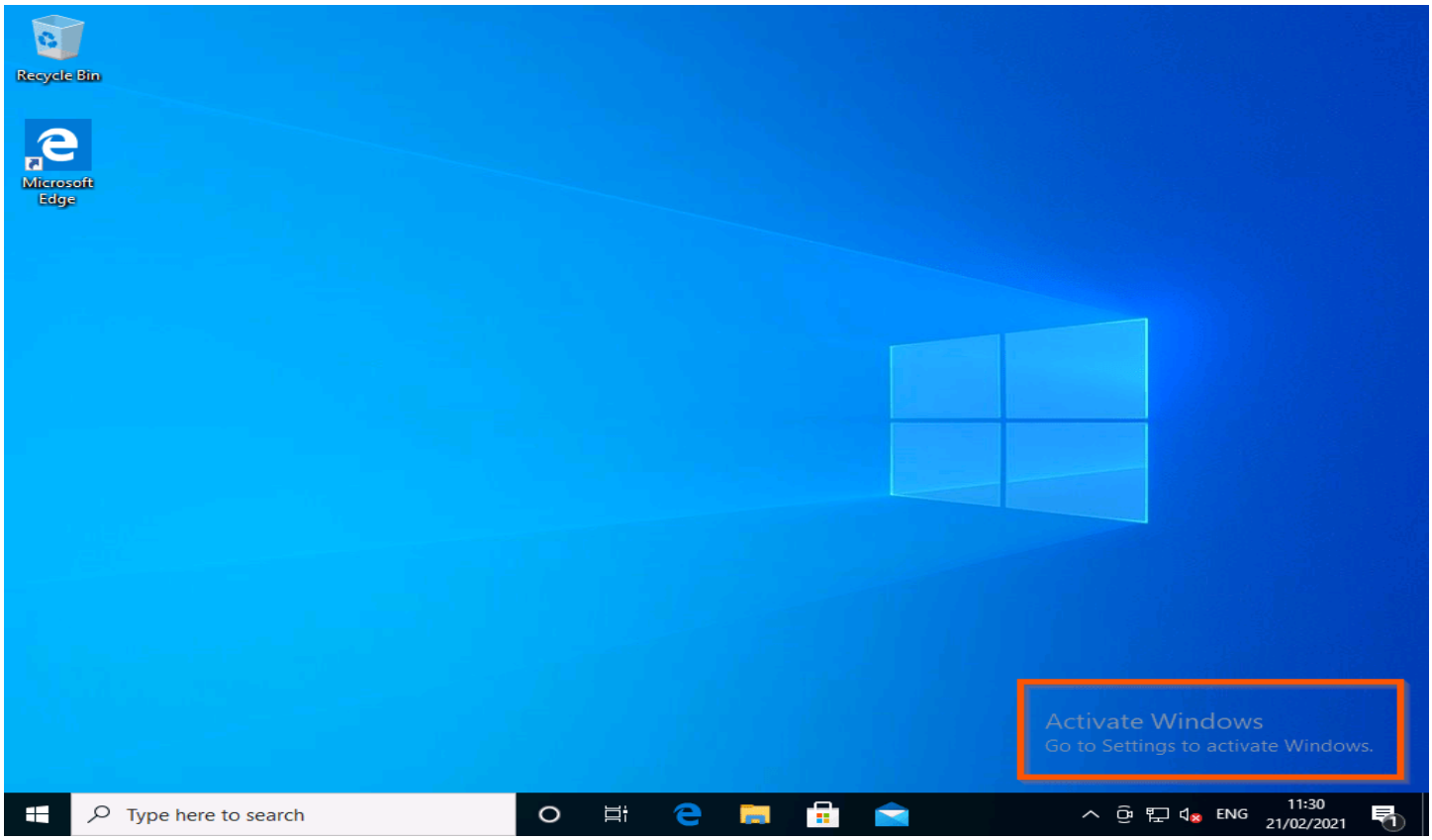
Syntax: bcdedit -set TESTSIGNING OFF

Function: run command prompt in Admin mode, enter the command and reboot the computer. use this command to temporarily hide the Activate Windows watermark.

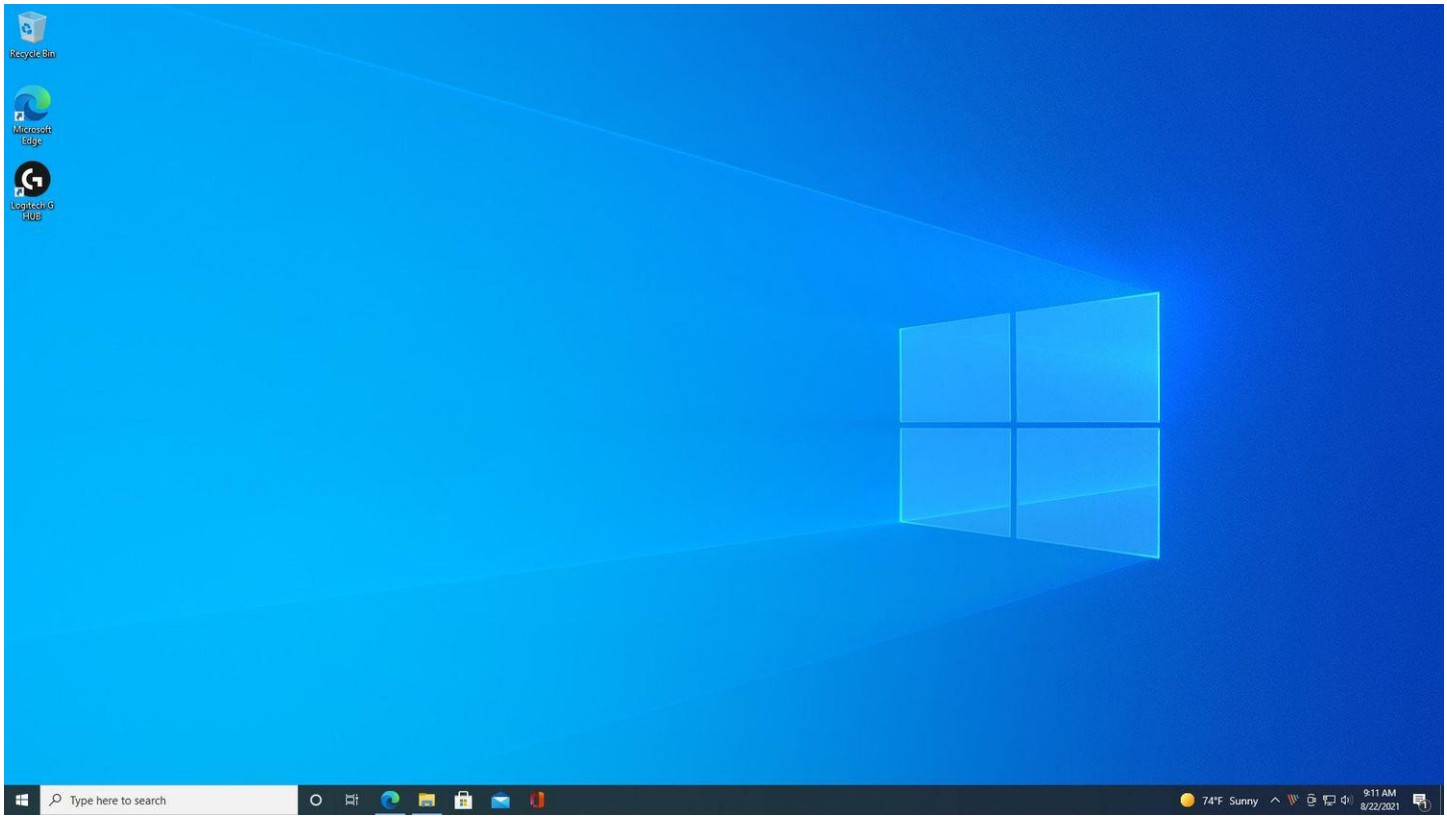
More details: I find in YT

Example:

Before



After



13. Display the content of a file in Command Prompt and PowerShell

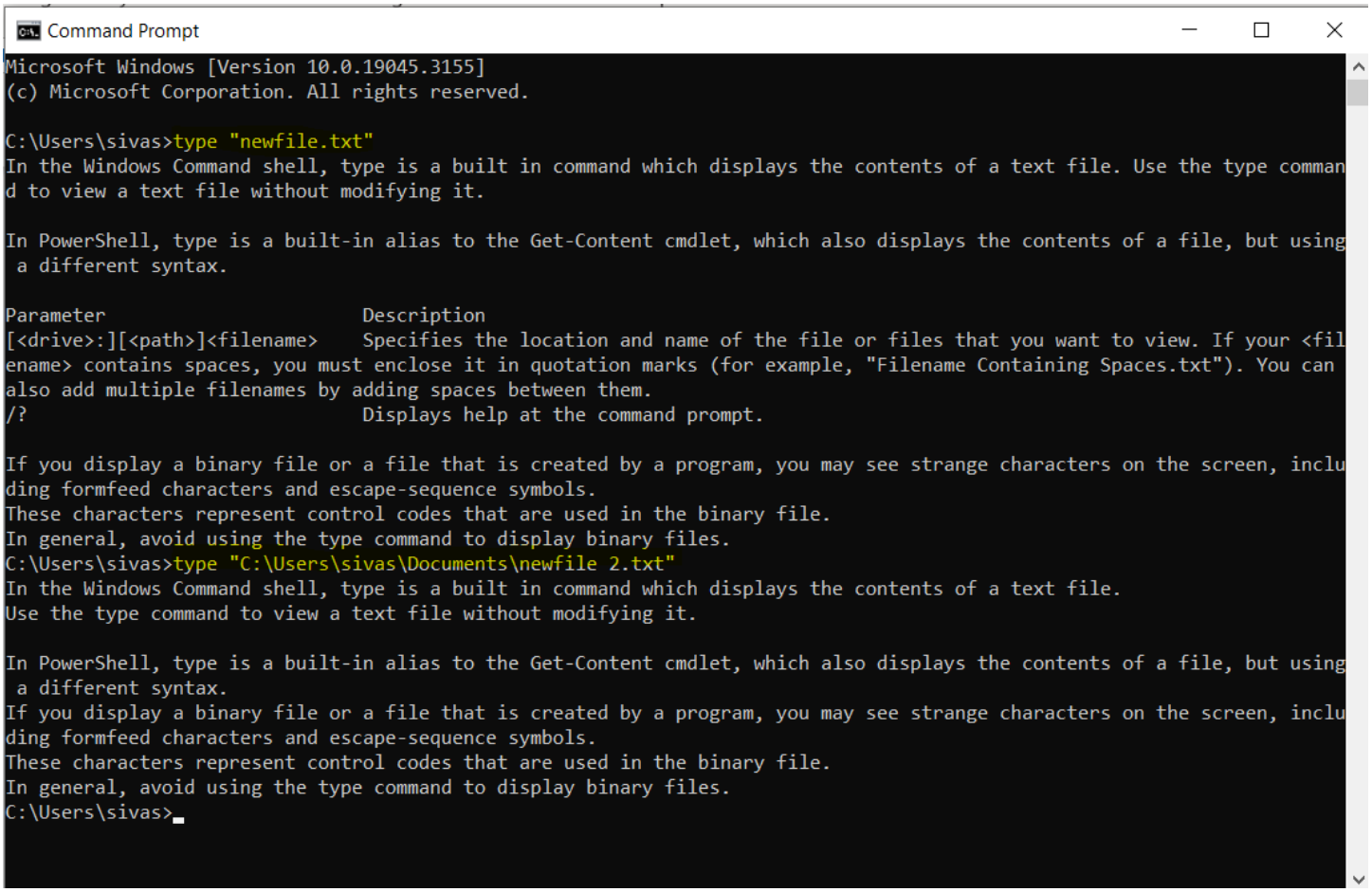
Using Command Prompt:

Syntax: type "[<drive>**:**] [<path>] <file name.extension>**"**

Function: To view a text file without modifying it and show the file content in the CMD prompt. It limit the lines while display file content. Use MORE cmd with pipe symbol now now press spacebar to shows all the line in the large file.

More details: Refer Microsoft Learn

Example:



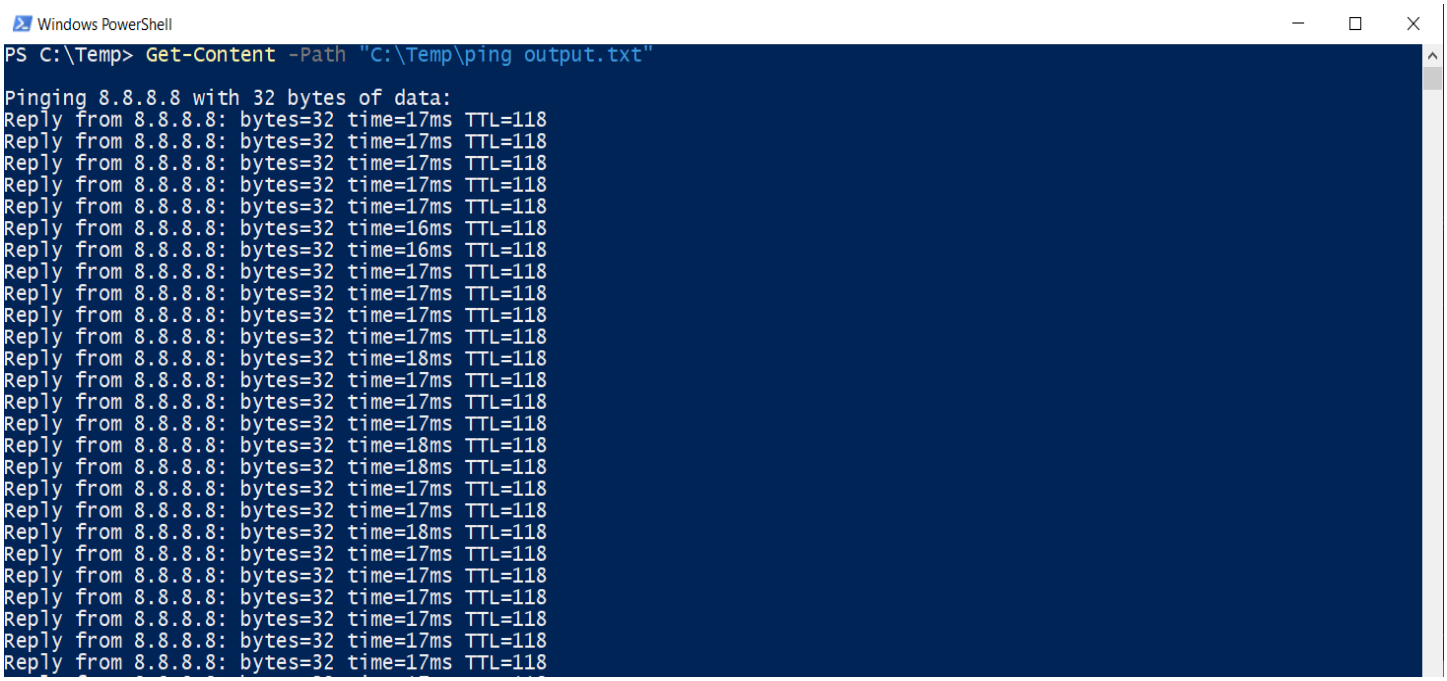
Using PowerShell:

Syntax: Get -content -Path "[<drive>**:**] [<path>] <file name.extension>**"**

Function: To view a text file without modifying it and show the file content in PowerShell Window. It show's the all line of the file it doesn't limit lines while display. Use MORE command with pipe symbol now press spacebar to shows all the line in the large file.

More details: Refer Microsoft Learn

Example:



14. Create and Delete files and directories form windows command prompt

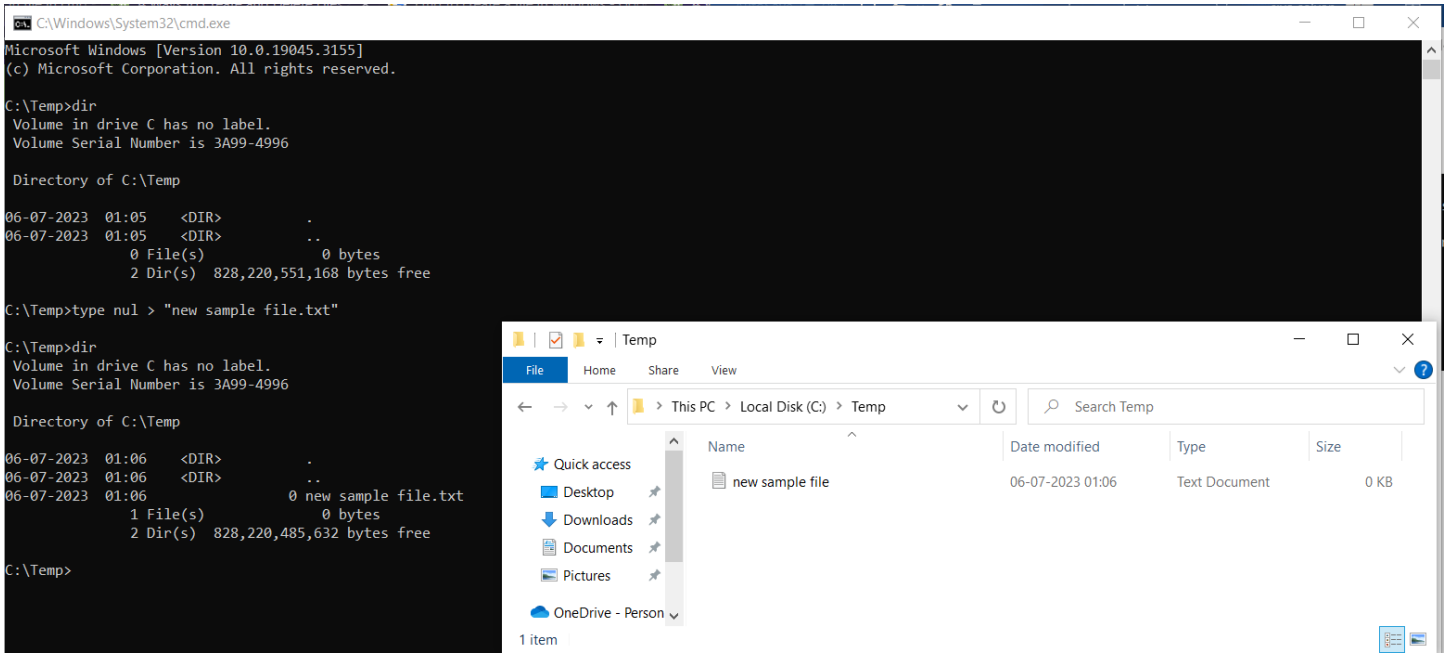
Create empty file:

Syntax: type nul > "[<drive>**:**] [<path>] <filename>**"**

Function: it create the empty file in using command prompt.

More details: Refer wikihow

Example:



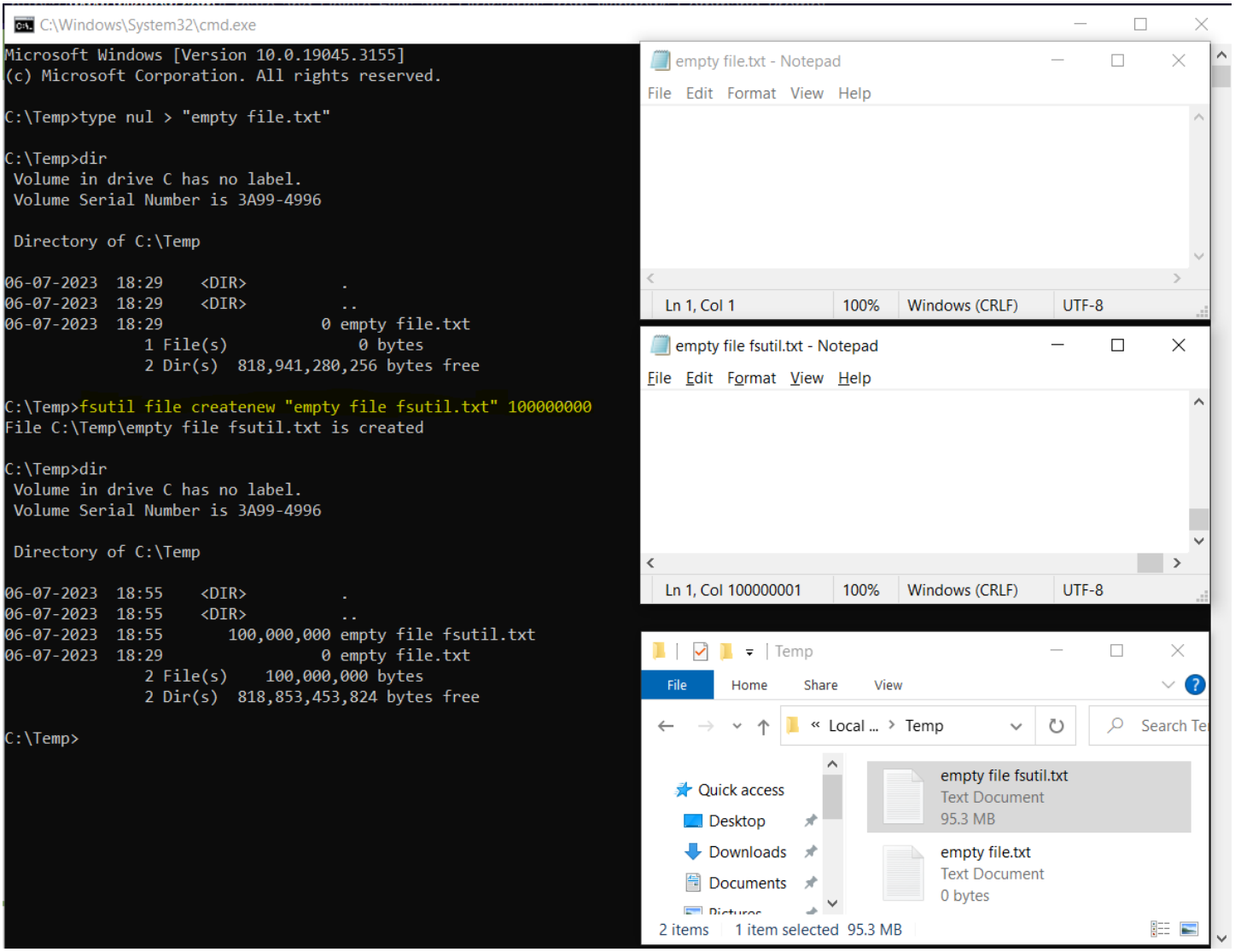
Create a blank file in certain size:

Syntax: fsutil file createnew "[<drive>**:**] [<path>] <filename>**"** <length>

Function: To create a blank text file based on byte size.

More details: Refer Wikihow

Example:



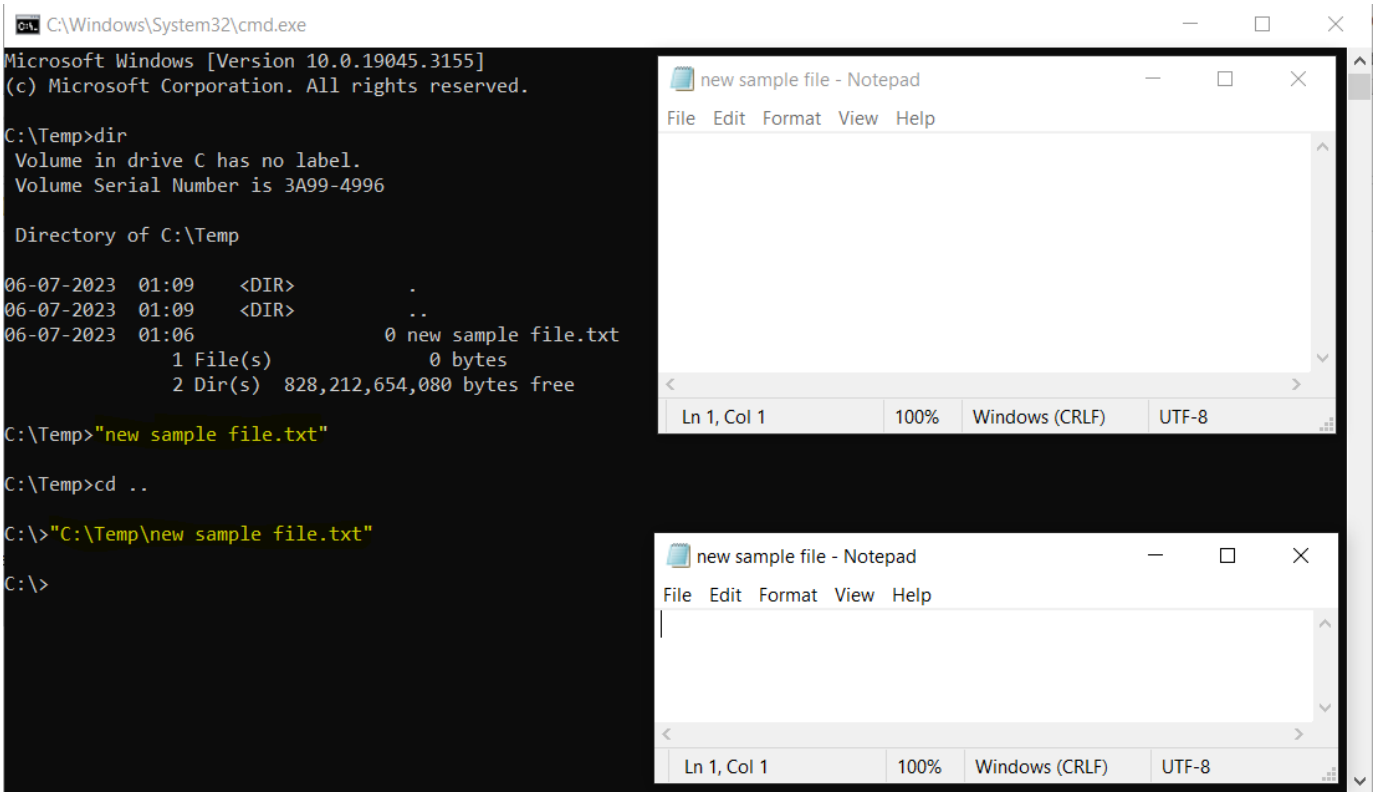
15. Open files using command prompt

Syntax: "[<drive>**:**] [<path>] <filename>**"**

Function: type the file path in command to open any type of file using command prompt with default application which is installed in computer.

More details: Google Search

Example:



16. Command output save to a file using Command Prompt and PowerShell

Using Command Prompt:

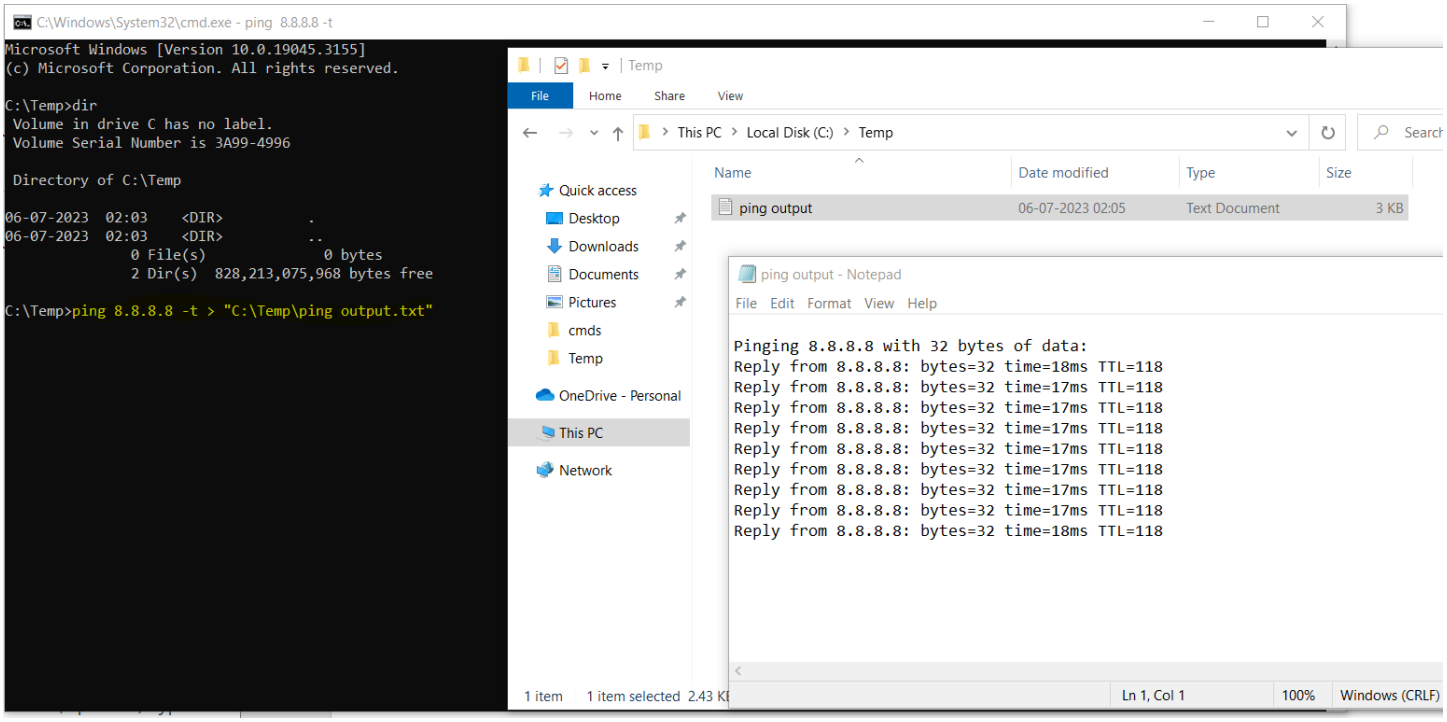
Create new output file:

Syntax: <your-command> **>** **"**[<drive>**:**] [<path>] <filename>**"**

Function: command to save the command output to a text file. **>** is the symbol for create a new text file or over write in existing file to save the output.

More details: Refer Windows Central

Example:



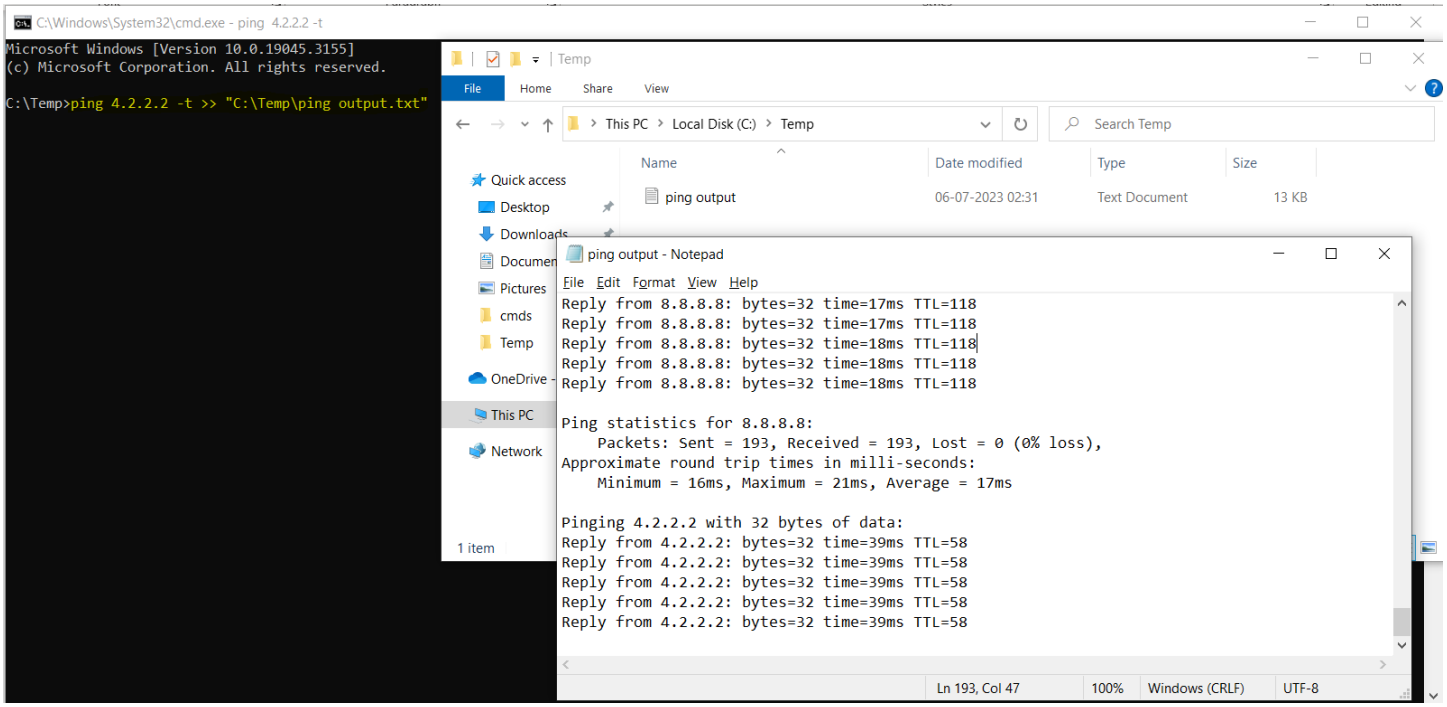
Continue output in existing file:

Syntax: <your-command> **>> "**[<drive>**:**] [<path>] <filename>**"**

Function: : command to save the command output to a text file. **>>** is the symbol for write existing file to save the output.

More details: Refer Windows Central

Example:



Using PowerShell:

Syntax: ipconfig | Out-File -FilePath "[<drive>**:**] [<path>] <filename>**"**

Function: To save the command output to a text file with PowerShell. It will over write the existing file.

More details: Refer Windows Central

Example: