# Windows commands

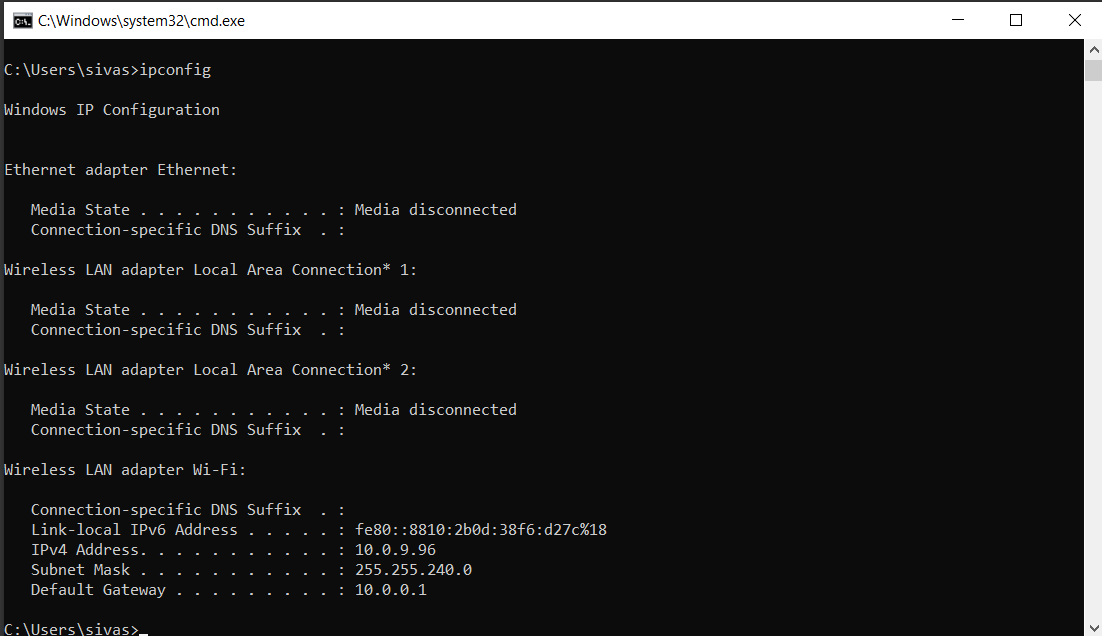
## Ipconfig

**Syntax: ipconfig**

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

**More details:** [Refer Microsoft Learn](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/ipconfig)

**Example:**

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### ipconfig /all

**Syntax: ipconfig /all**

**Function:** cmd to show the all NIC details.

### ipconfig /flushdns

**Syntax: ipconfig /flushdns**

**Function:** cmd to clear the DNS cache.

## Ping

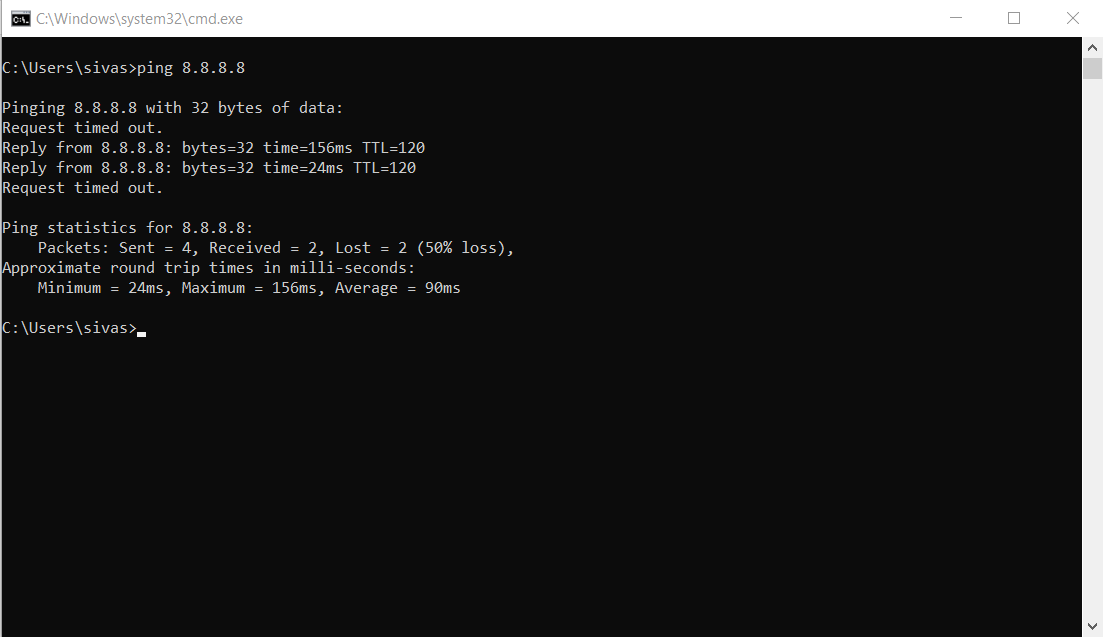
### 2.1 Ping:

**Syntax: ping** <ip address>

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

**More details:** [Refer Microsoft Learn](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/ping)

**Example:**



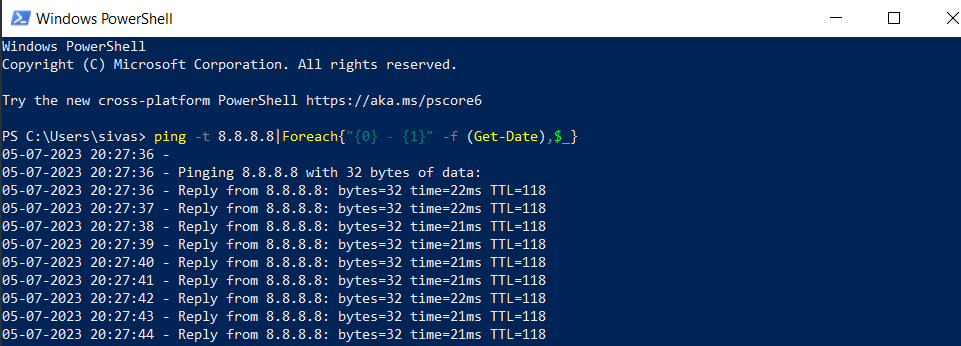
### 2.2 Ping with timestamp:

**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](https://community.spiceworks.com/how_to/154193-ping-with-timestamp-and-log)

**Example:**



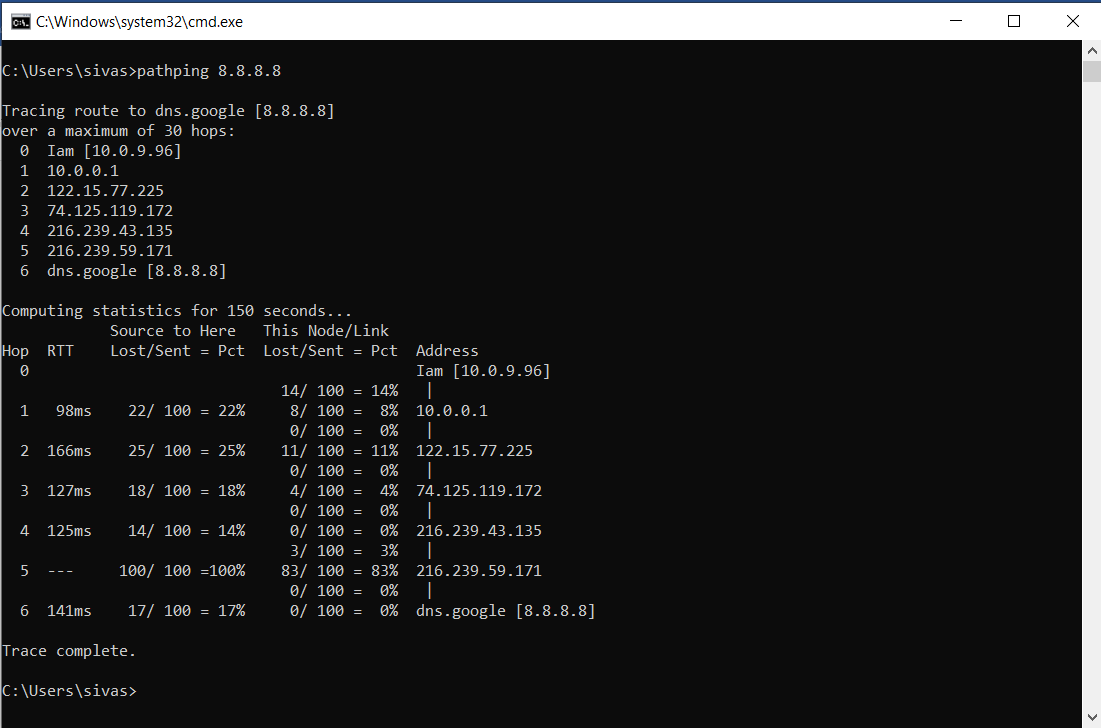
## Path ping

**Syntax: pathping** <ip address>

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

**More details:** [Refer Microsoft Learn](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/pathping)

**Example:**



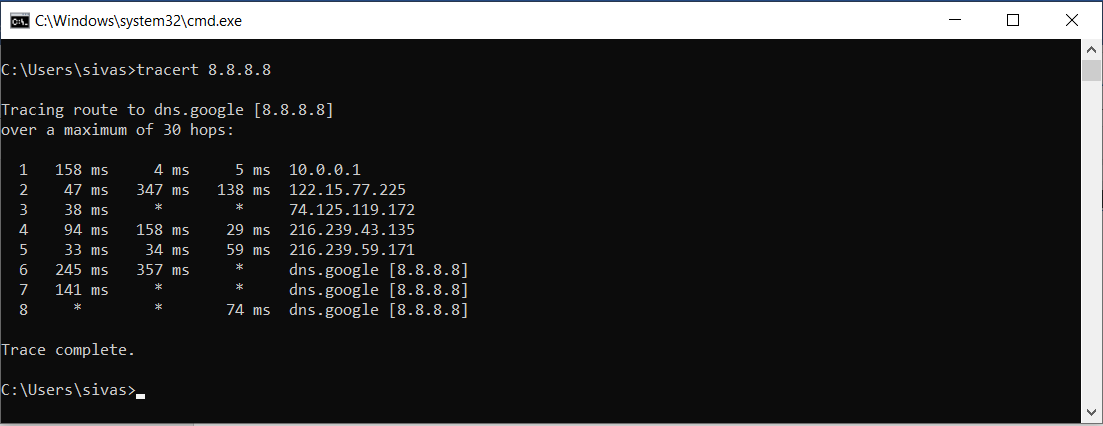
## Tracert

**Syntax: tracert** <ip address>

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

**More details:** [Refer Microsoft Learn](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/tracert)

**Example:**



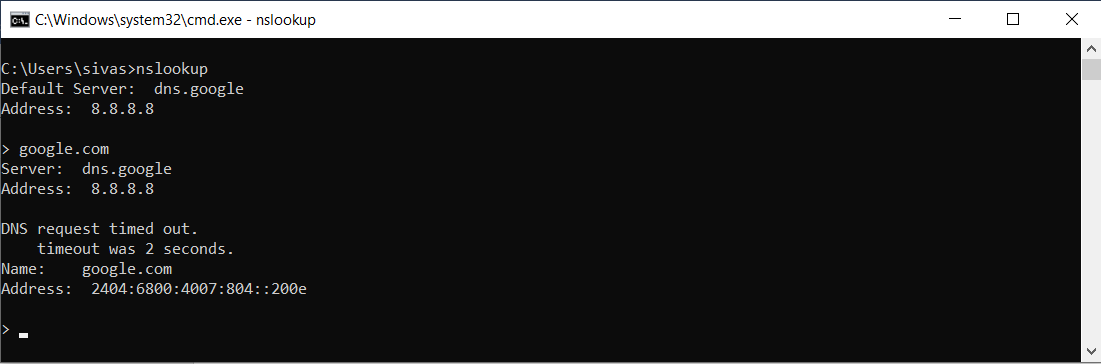
## Nslookup

**Syntax: nslookup** <domain name>

**Function:** cmd to resolve the dns name to ip.

**More details:** [Refer Microsoft Learn](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/nslookup)

**Example:**



## Wifi Qrcode generator

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

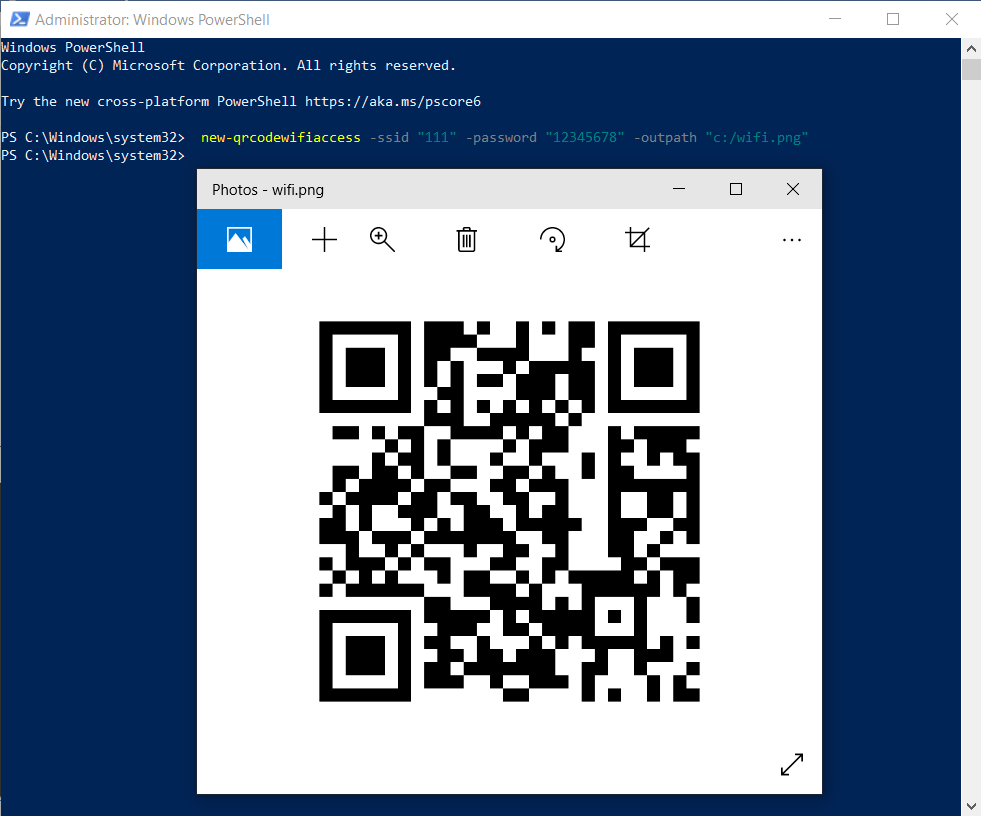
**Function:** cmd to genetrate wifi qrcode in powershell

**Installation cmds:** Install-Module -Name QRCodeGenerator

Import-Module QRCodeGenerator

**More details:** [Refer Generate QR Code with PowerShell in Windows 10](https://winaero.com/generate-qr-code-powershell-windows-10/)

**Example:**



## 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

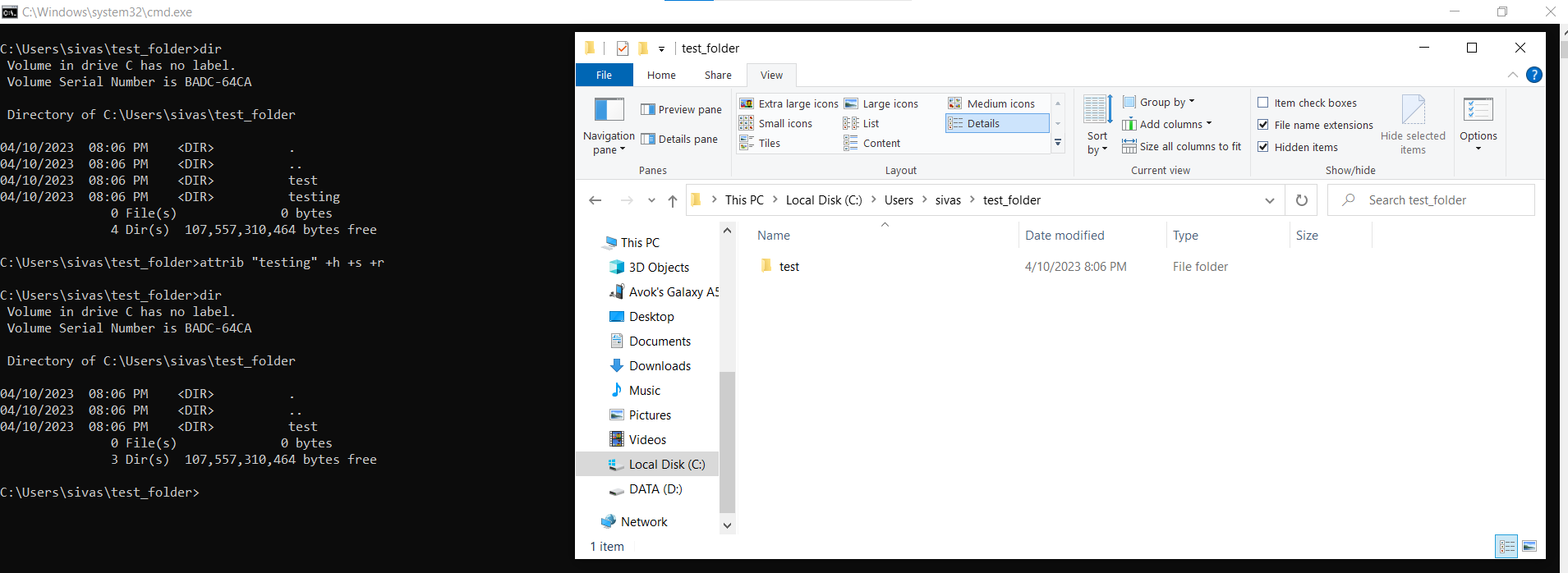
**r** Read-only

**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](https://www.c-sharpcorner.com/UploadFile/fd0172/how-to-hide-or-unhide-folders-using-attrib-command/)

**Example:**



## Title

**Syntax: title** <string>

**Function:** To change the Command Prompt title.

**More details:** [Refer Microsoft Learn](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/title)

**Example:**



## Prompt

**Syntax: prompt** <text>

**Function:** To change executing path name in command prompt.

**More details:** [Refer Microsoft Learn](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/prompt)

**Example:**



## Netsh #wifi password

**Syntax: netsh wlan show profile**

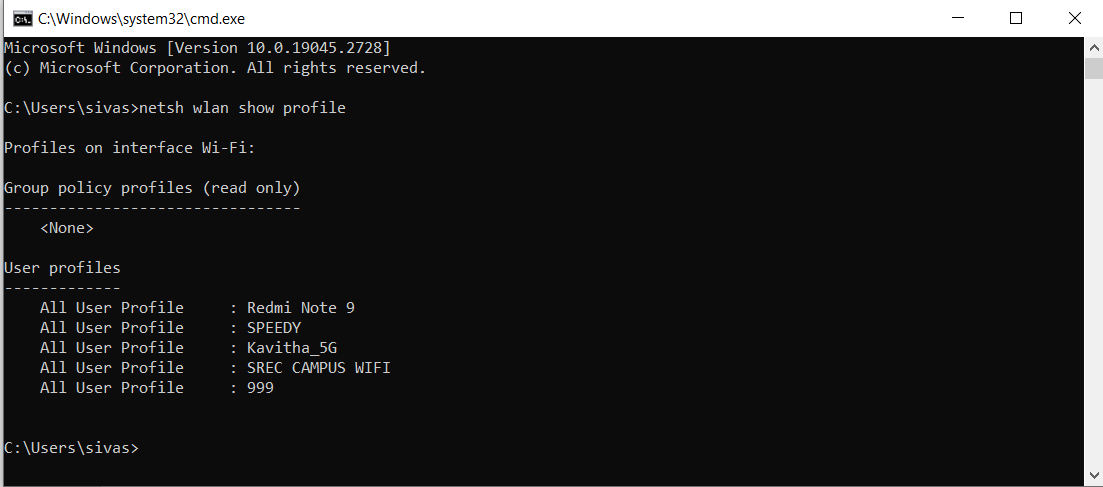
**Function:** To show a list of network names that we already connect to.

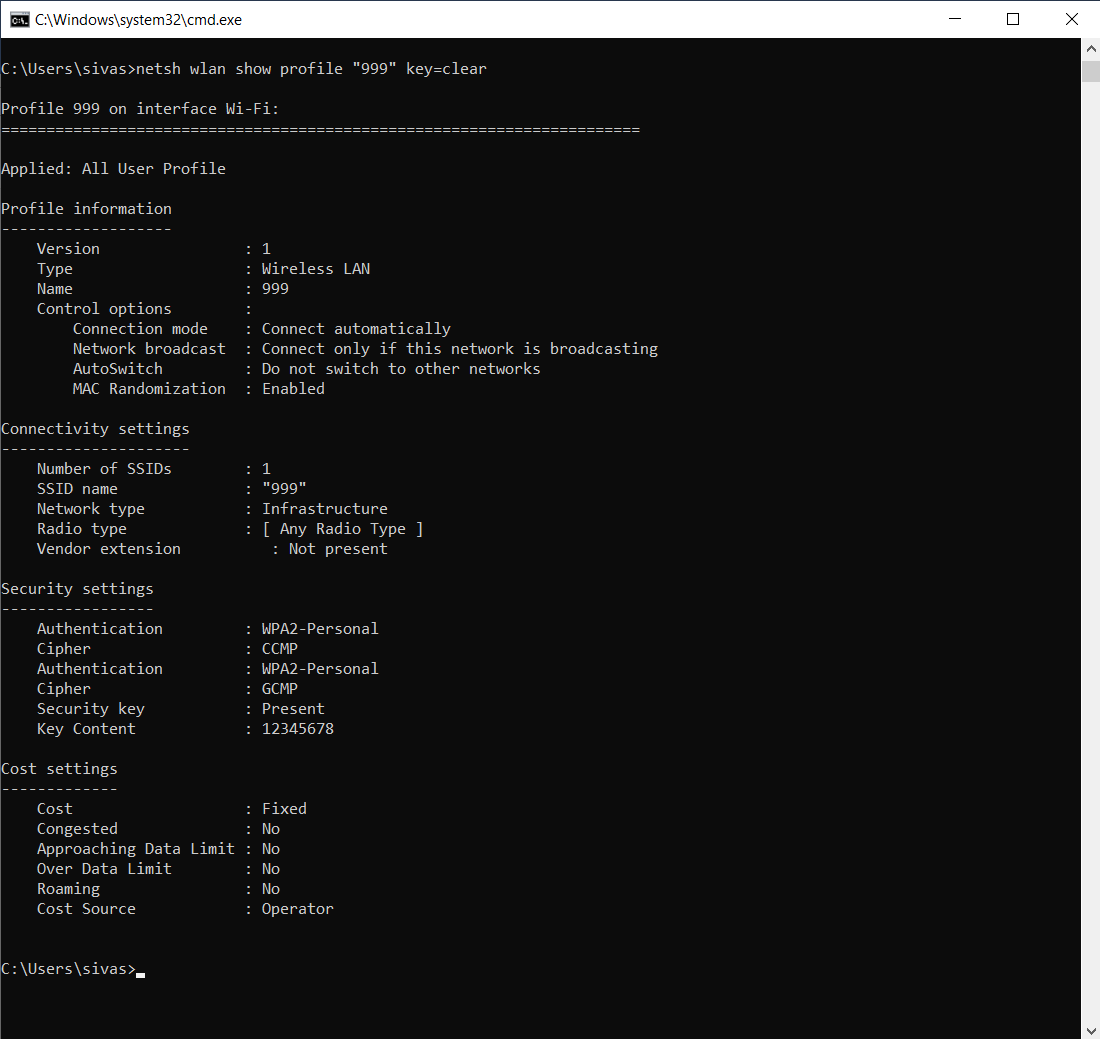
**Syntax: netsh wlan show profile name= “**<Wi-Fi name>” **key=clear**

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

**More details:** [Refer Microsoft Learn](https://www.geeksforgeeks.org/how-to-find-the-wi-fi-password-using-cmd-in-windows/)

**Example:**

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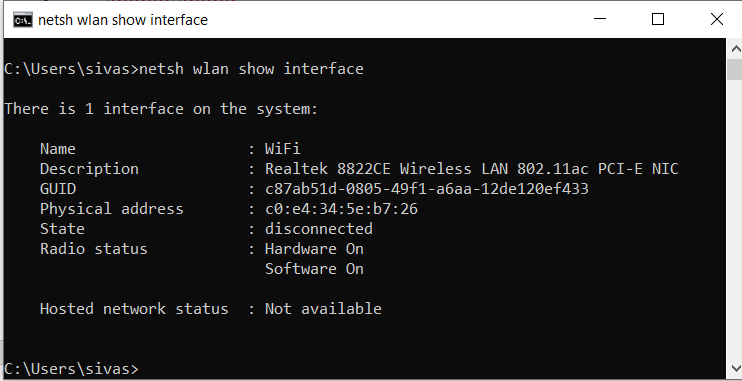


**Syntax: netsh wlan show interface**

**Function:** To show wifi interface details.

**More details:** [Refer Udemy video](https://www.udemy.com/course/complete-wifi-hacking-course/learn/lecture/30598776#overview)

**Example:**

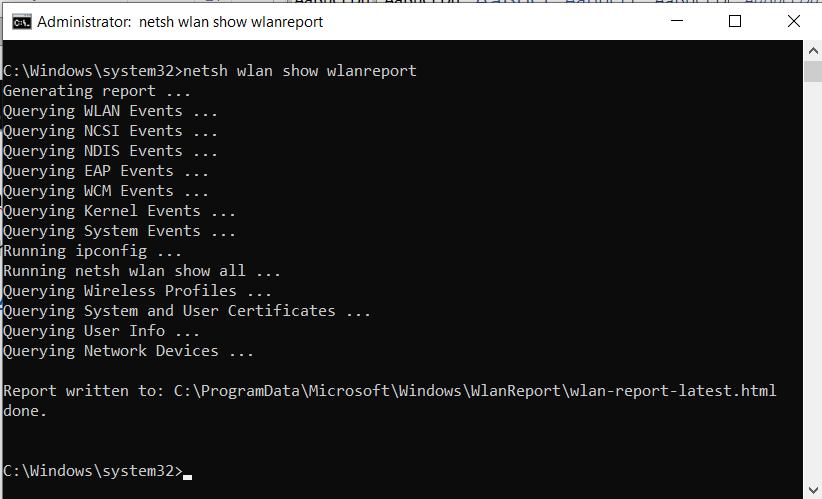


**Syntax: netsh wlan show wlanreport**

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

**More details:** [Refer Microsoft support](https://support.microsoft.com/en-us/windows/analyze-the-wireless-network-report-76da0daa-1db2-6049-d154-7bb679eb03ed)

**Example:**



## Manage-bde Bitlocker

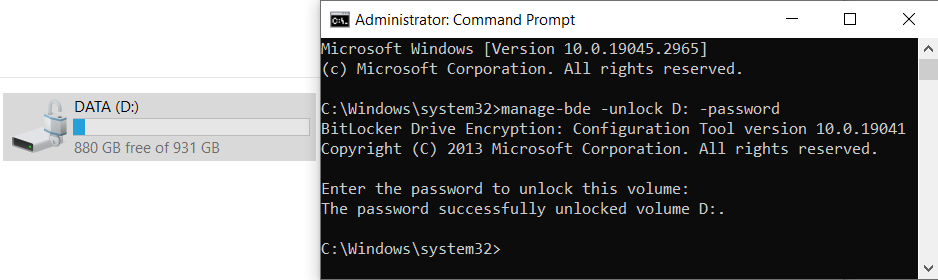
### Unlock:

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

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

**More details:** [Refer Microsoft Learn](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/manage-bde)

**Example:**

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**Here enter the password of Bitlocker dirve.**

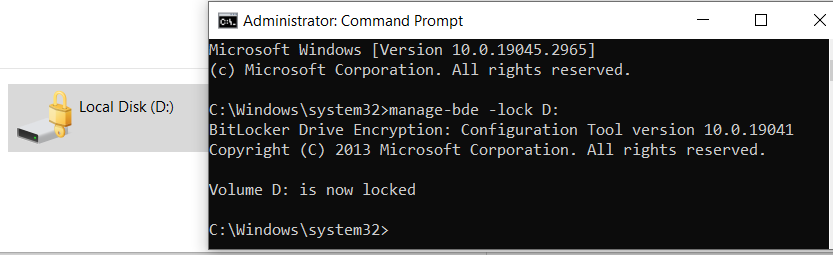
### Lock:

**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](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/manage-bde)

**Example:**



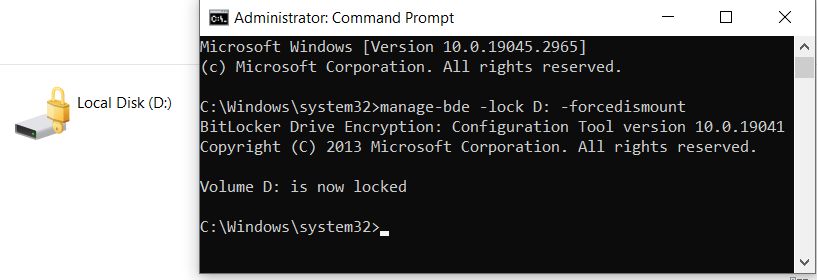
### Force lock:

**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](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/manage-bde)

**Example:**



## Activate Windows watermark temporary remove

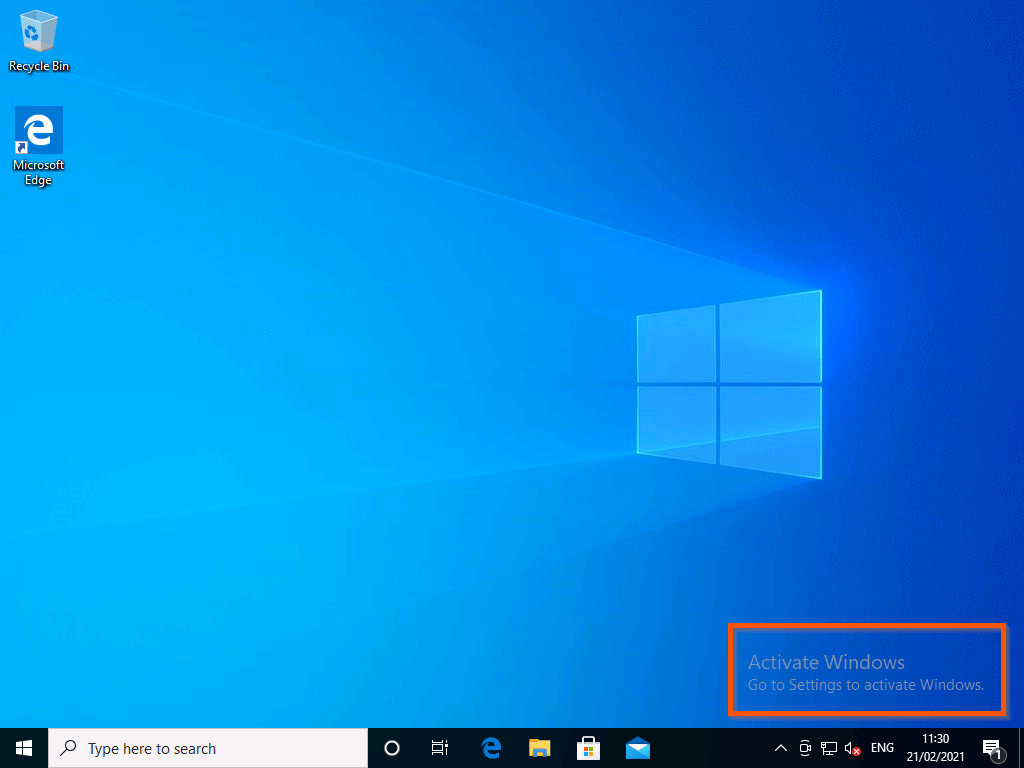
**Syntax: bcdedit -set TESTSIGNING OFF**

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

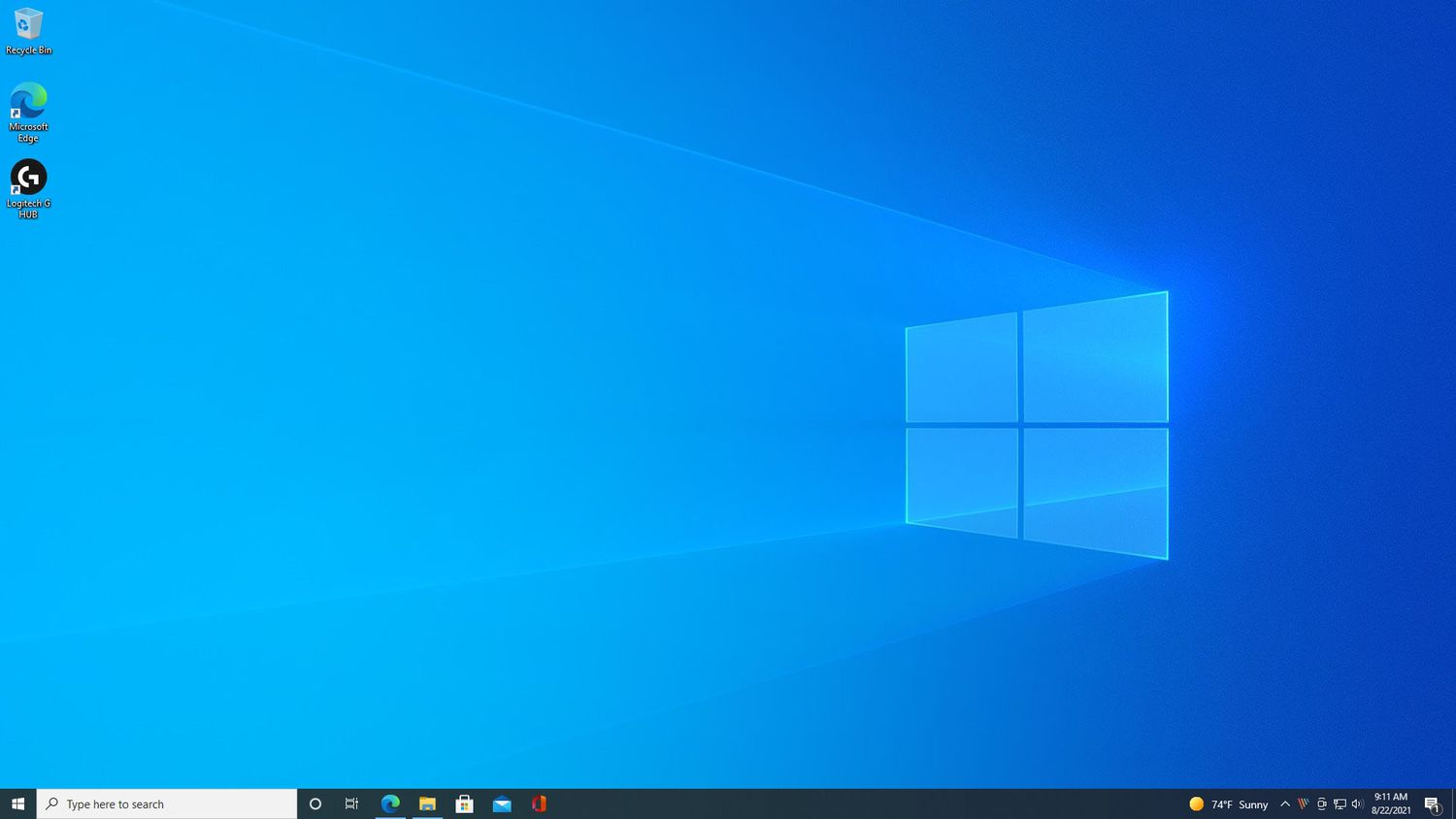
**More details:** [I find in YT](https://www.youtube.com/shorts/FAwoU2hVFjs)

**Example:**

Before



After



## Display the content of a file in Command Prompt and PowerShell

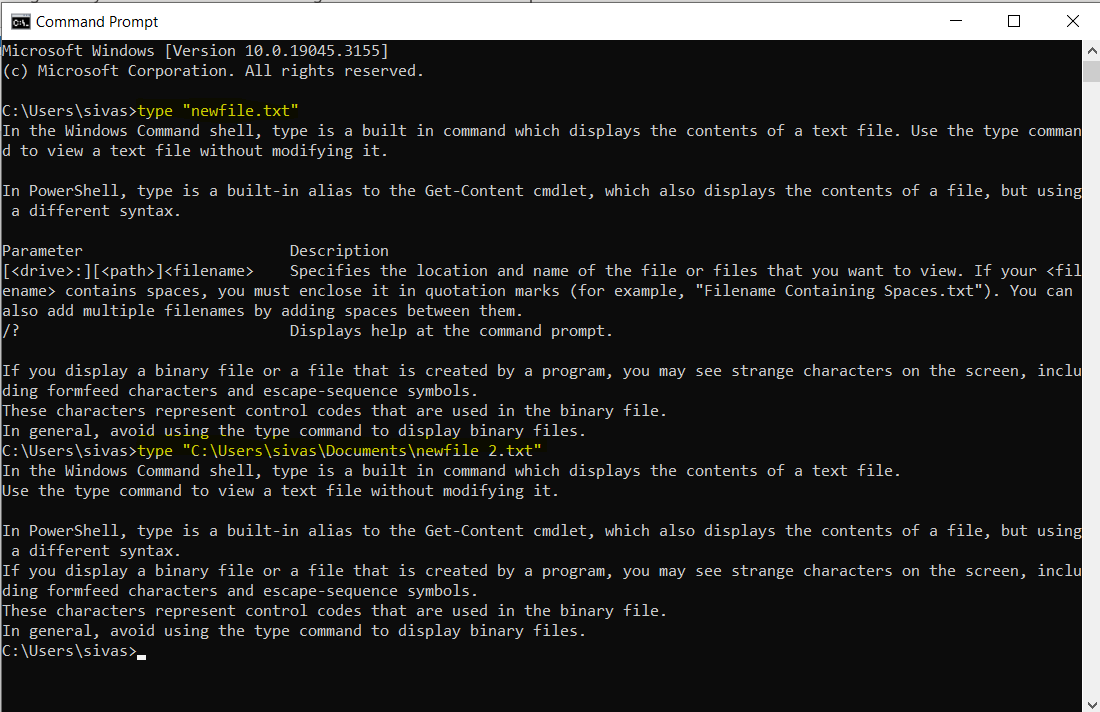
### Using Command Prompt:

**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](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/type)

**Example:**

****

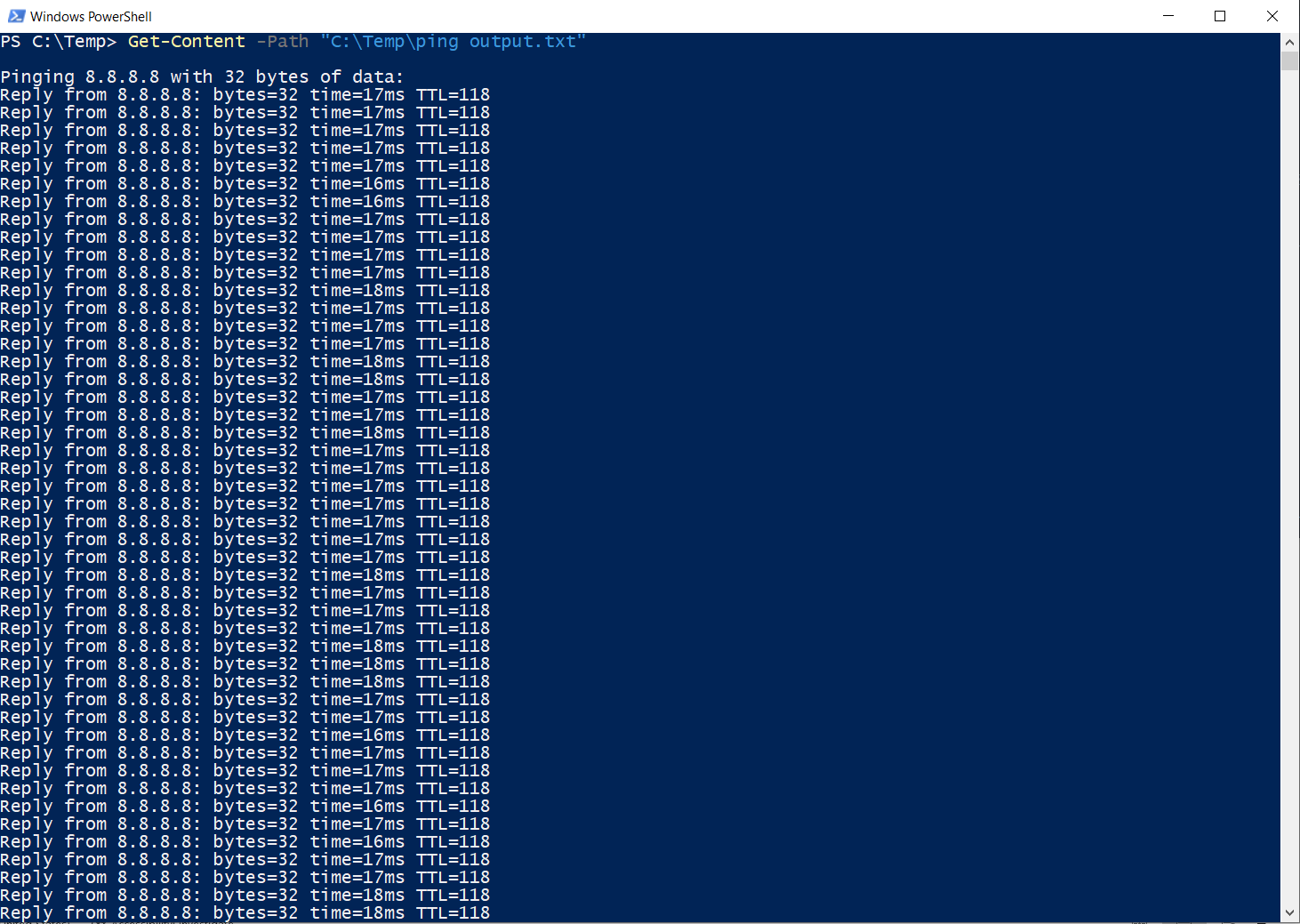
### Using PowerShell:

**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](https://www.windowscentral.com/how-save-command-output-file-using-command-prompt-or-powershell)

**Example:**

****

## Create and Delete files and directories form windows command prompt

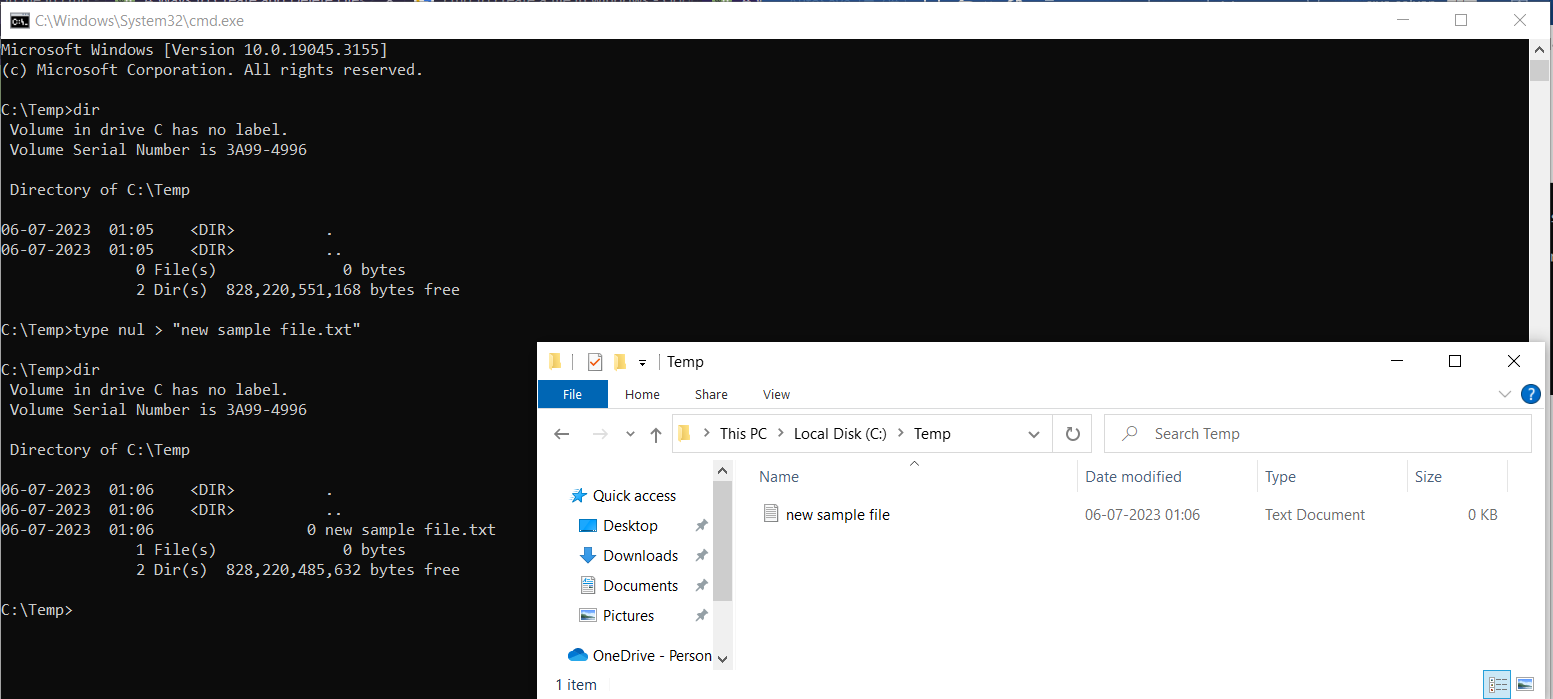
### Create empty file:

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

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

**More details:** [Refer wikihow](https://www.wikihow.com/Create-and-Delete-Files-and-Directories-from-Windows-Command-Prompt)

**Example:**

****

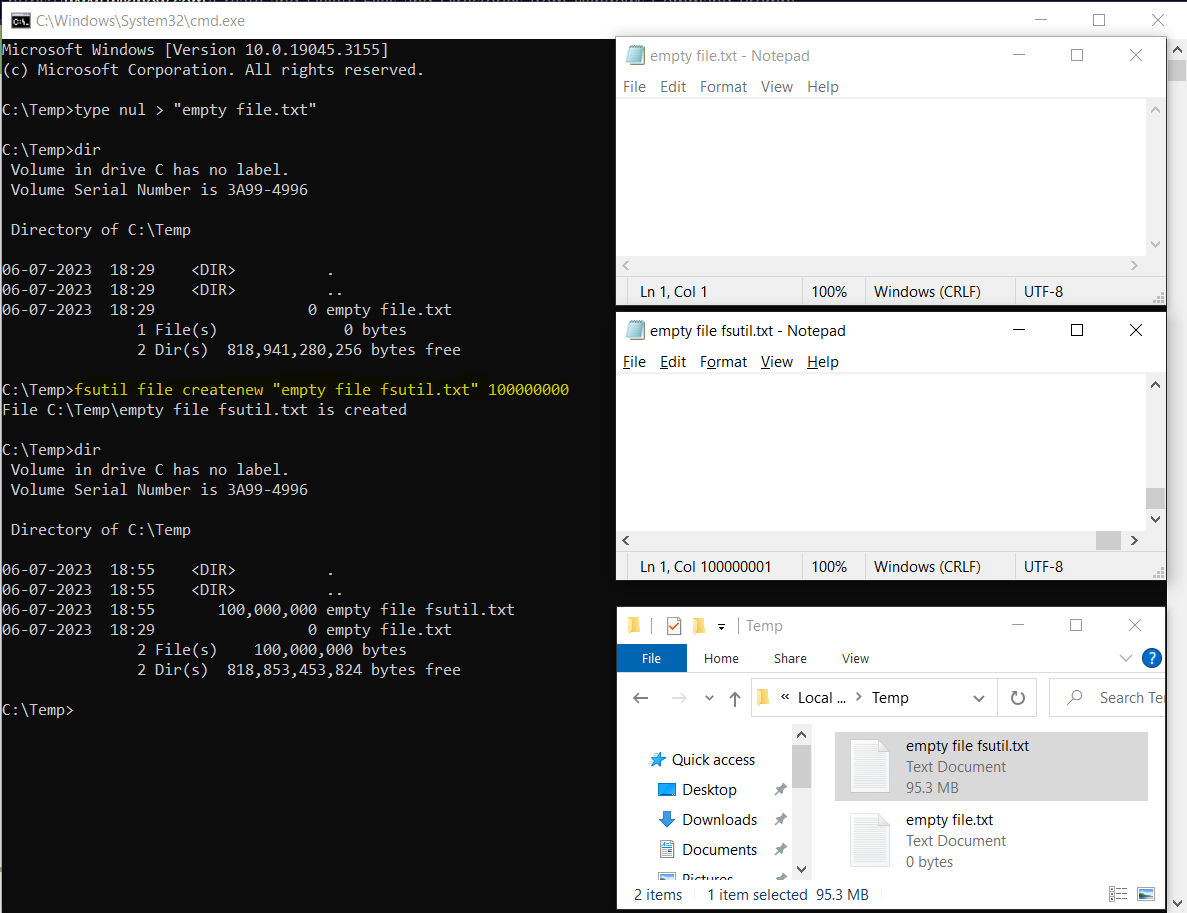
### Create a blank file in certain size:

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

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

**More details:** [Refer Wikihow](https://www.wikihow.com/Create-and-Delete-Files-and-Directories-from-Windows-Command-Prompt)

**Example:**

****

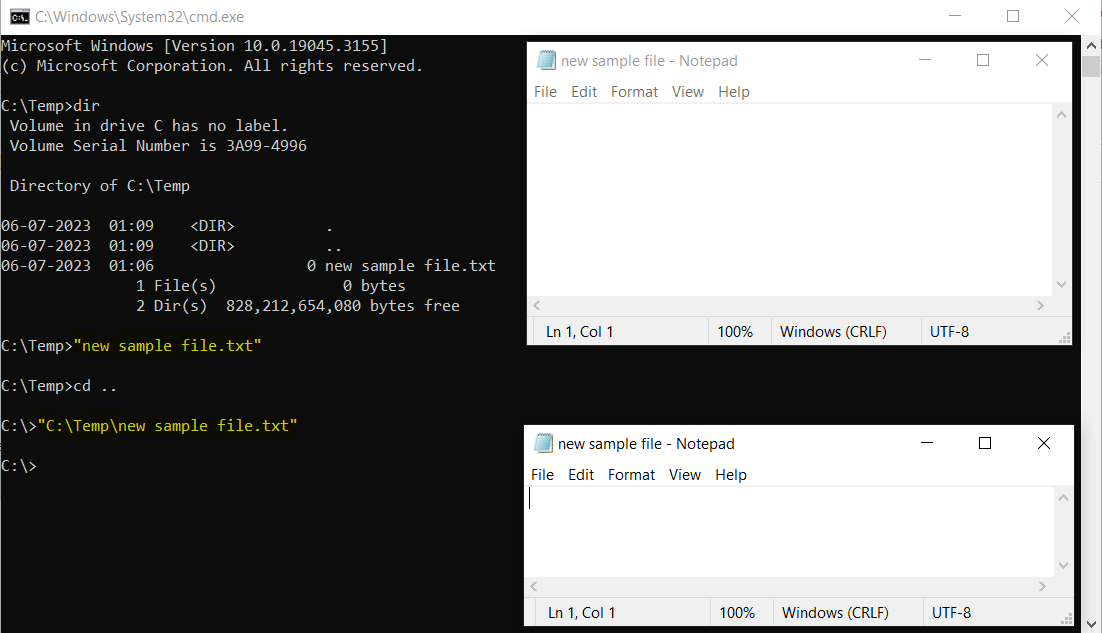
## Open files using command prompt

**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:**

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## Command output save to a file using Command Prompt and PowerShell

### Using Command Prompt:

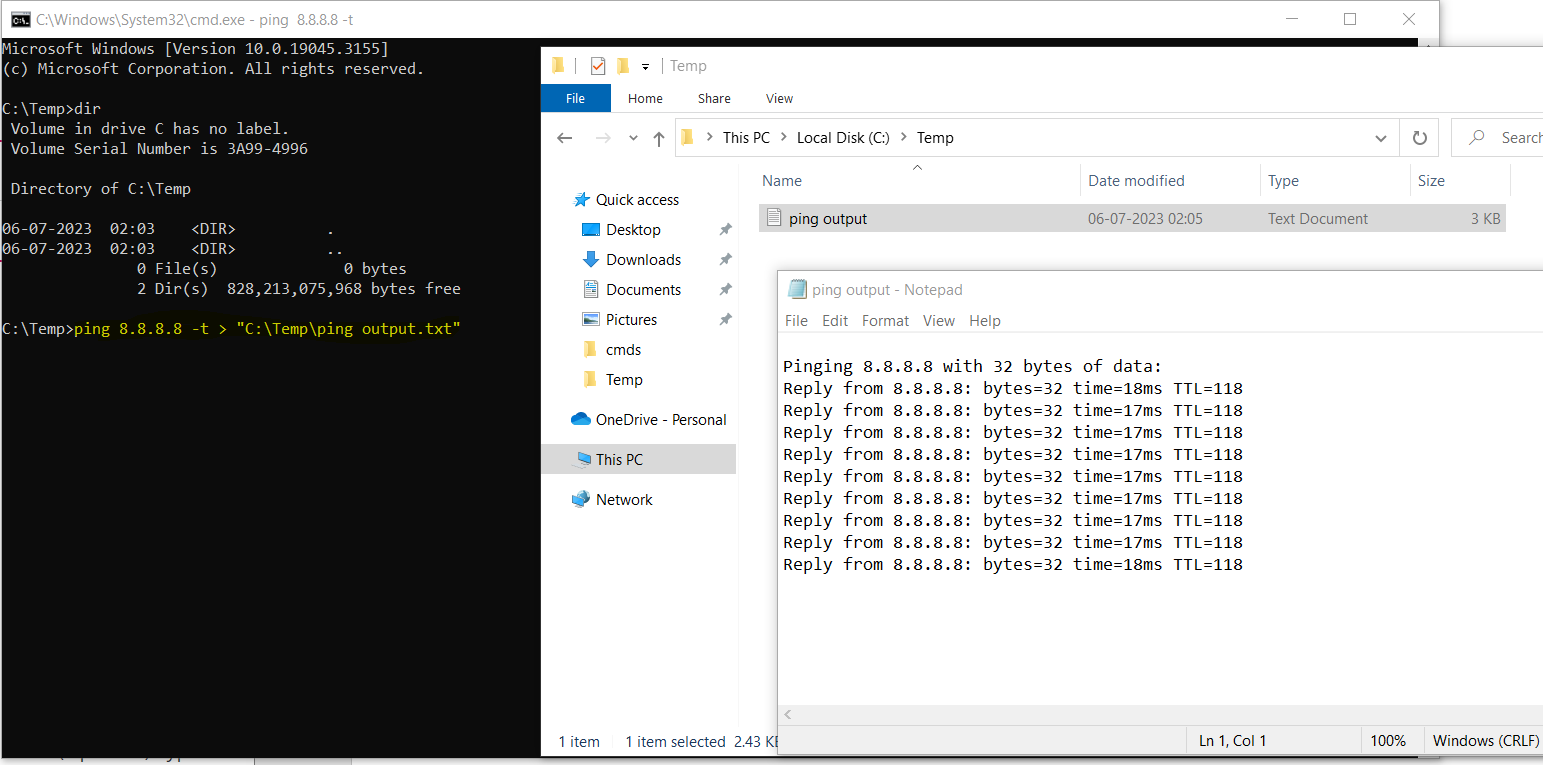
Create new output file:

**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](https://www.windowscentral.com/how-save-command-output-file-using-command-prompt-or-powershell)

**Example:**

****

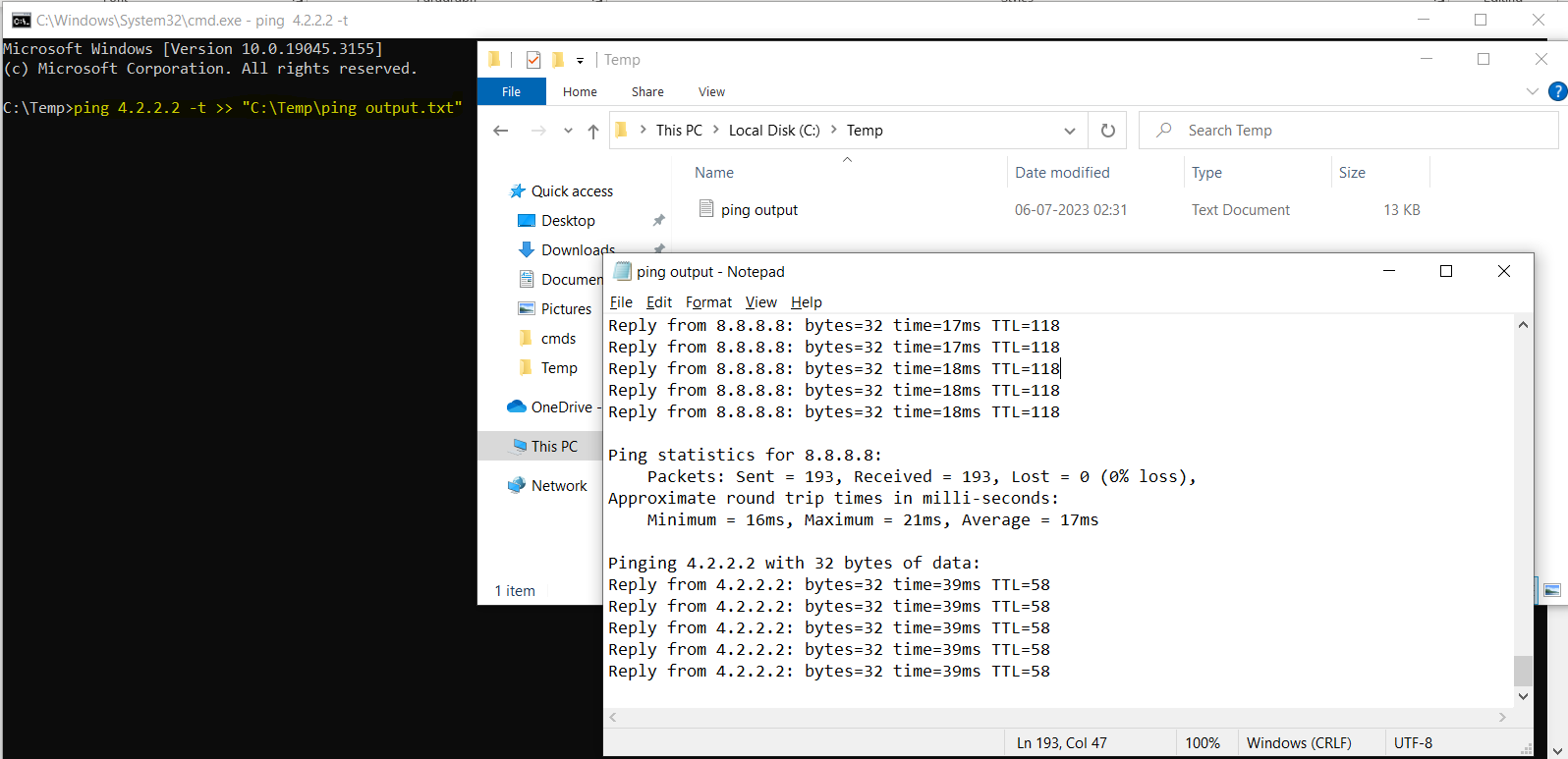
Continue output in existing file:

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](https://www.windowscentral.com/how-save-command-output-file-using-command-prompt-or-powershell)

**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](https://www.windowscentral.com/how-save-command-output-file-using-command-prompt-or-powershell)

**Example:**

