COMMAND PROMPT

OBJECTIVE

The objective of this report is to demonstrate the importance of command prompt in cyber security. Command Prompt, also known as cmd.exe or cmd, is the default command-line interpreter for the OS/2, eComStation, ArcaOS, Microsoft Windows (Windows NT family and Windows CE family), and ReactOS[2] operating systems.

TOOLS

The tool we require is command prompt. Command Prompt is a command line interpreter application available in most Windows operating systems. It is used to execute entered commands. Most of those commands automate tasks via scripts and batch files, perform advanced administrative functions, and troubleshoot or solve certain kinds of Windows issues.

On Windows CE .NET 4.2,Windows CE 5.0 and Windows Embedded CE 6.0 it is referred to as the Command Processor Shell.

Its implementations differ between operating systems, but the behavior and basic set of commands are consistent. cmd.exe is the counterpart of COMMAND.COM in DOS and Windows 9x systems, and analogous to the Unix shells used on Unix-like systems.

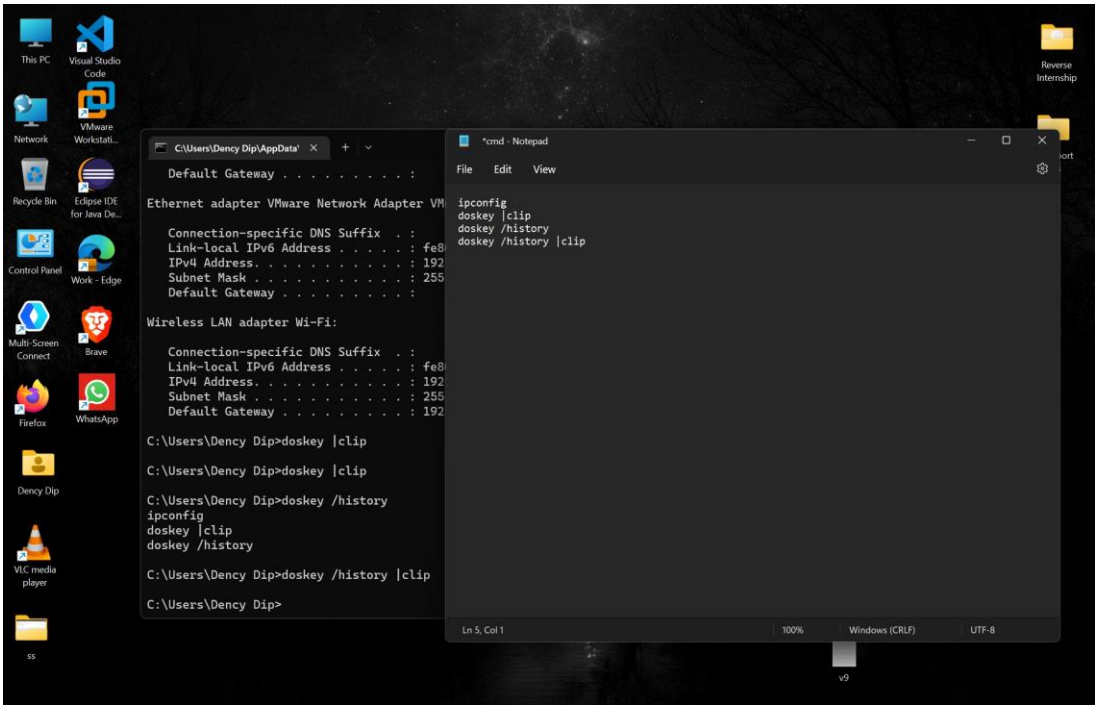
METHODOLOGY

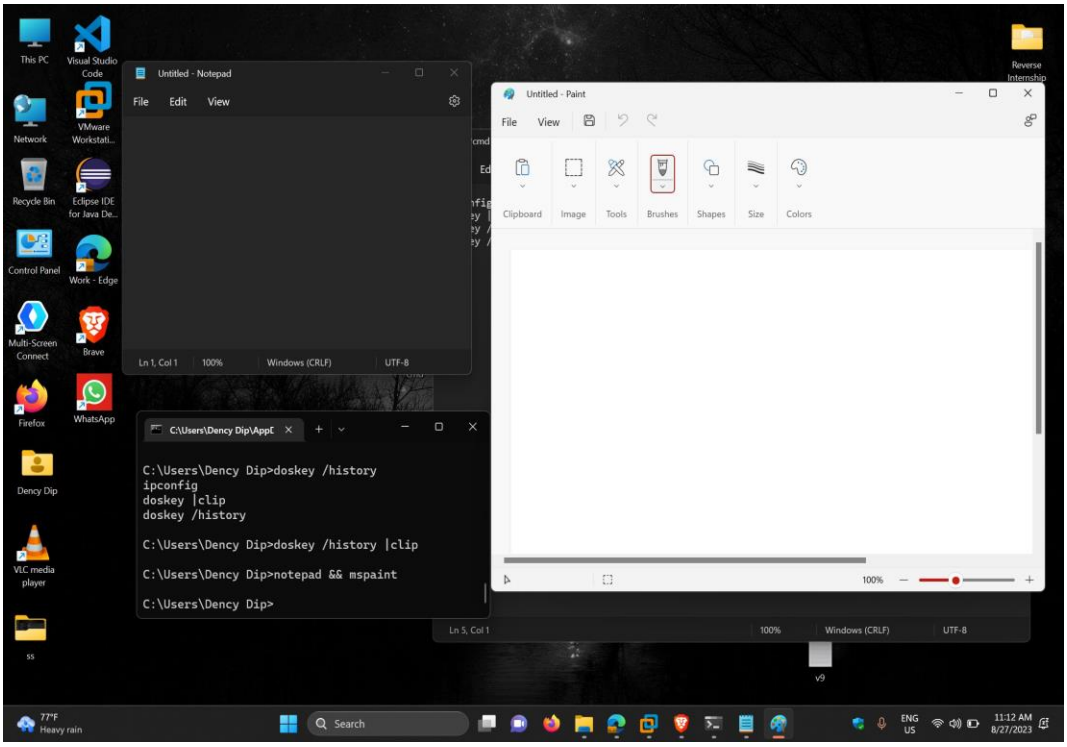
The steps are to type in or run various commands that will help us in hacking in an targeted system.

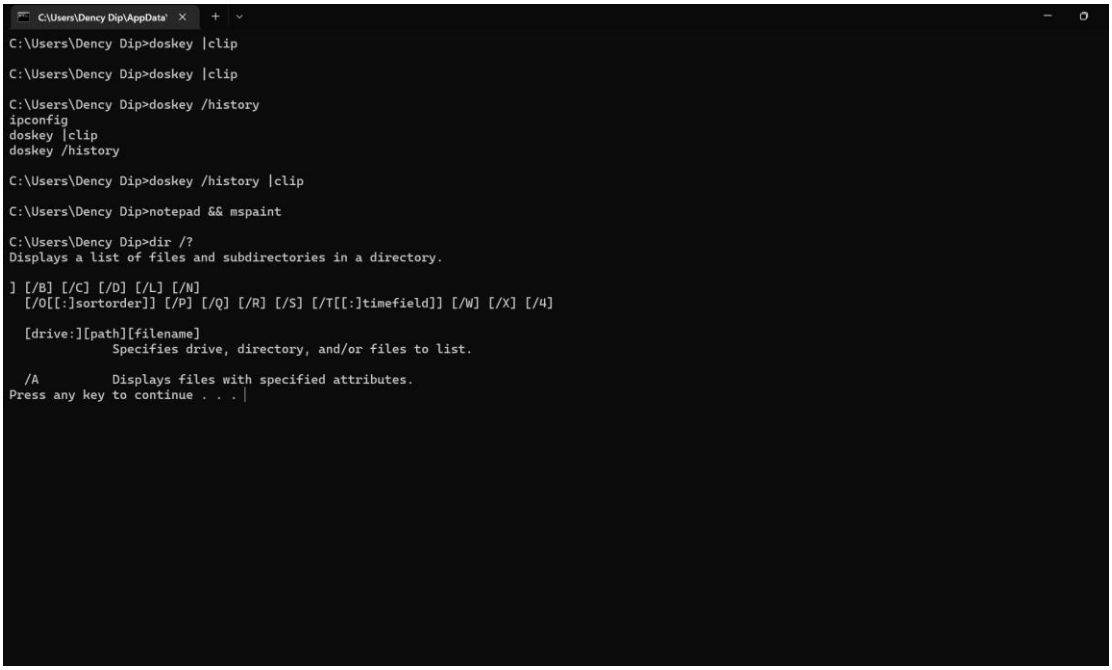
The various commands we used for demonstration purposes are **doskey /history, doskey /history |clip, dir /?, netsh wlan show profile, netstat, ipconfig,** and **tracert**. We can also use many more commands using the command prompt window.

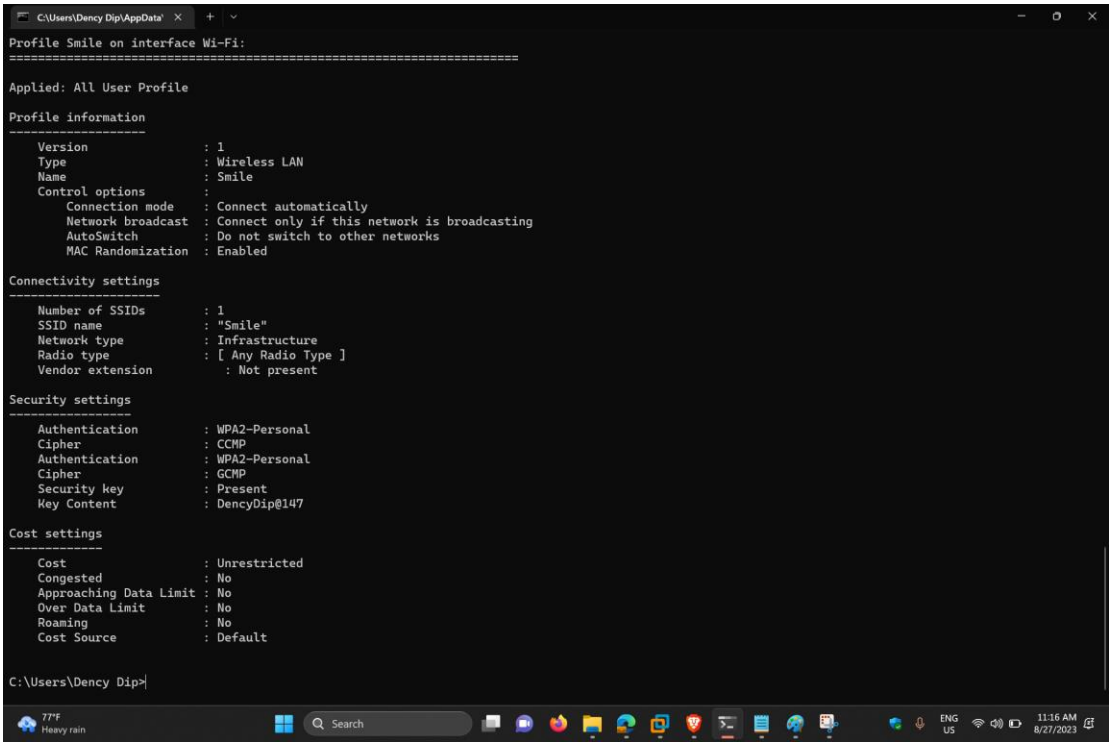
The steps are demonstrated in the screen shots given below.

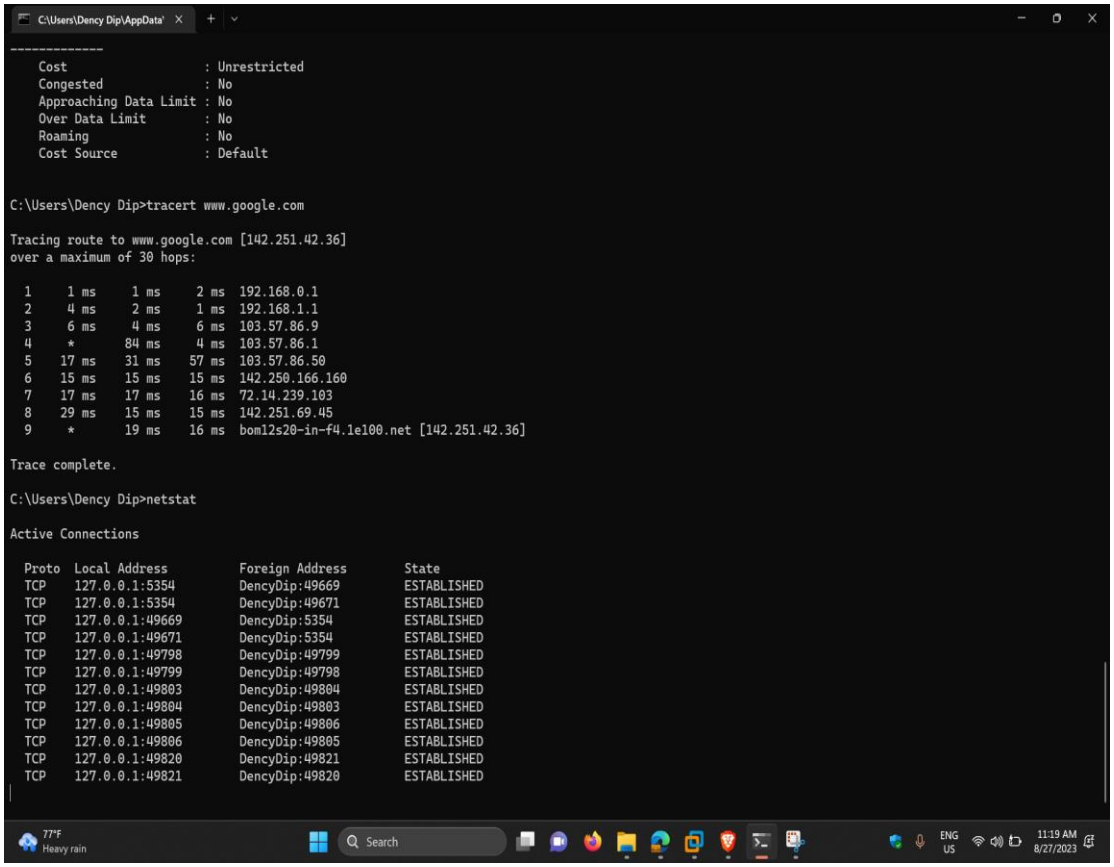
PROOF OF CONCEPT






C:\Users\Dency Dip\AppData'
C:\Users\Dency Dip>doskey |clip
C:\Users\Dency Dip>doskey |clip
C:\Users\Dency Dip>doskey /history
ipconfig
doskey |clip
doskey /history
C:\Users\Dency Dip>doskey /history |clip
C:\Users\Dency Dip>notepad && mspaint
C:\Users\Dency Dip>dir /?
Displays a list of files and subdirectories in a directory.
] [/B] [/C] [/D] [/L] [/N]
[/O[[:]sortorder]] [/P] [/Q] [/R] [/S] [/T[[:]timefield]] [/W] [/X] [/4]
[drive:][path][filename]
Specifies drive, directory, and/or files to list.
/A Displays files with specified attributes.
Press any key to continue . . .


C:\Users\Dency Dip\AppData'
Profile Smile on interface Wi-Fi:
Applied: All User Profile
Profile information
Version : 1
Type : Wireless LAN
Name : Smile
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 : "Smile"
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 : DencyDip@147
Cost settings
Cost : Unrestricted
Congested : No
Approaching Data Limit : No
Over Data Limit : No
Roaming : No
Cost Source : Default
C:\Users\Dency Dip>
77°F
Heavy rain
Search
ENG
US
11:16 AM
8/27/2023



CONCLUSION

In conclusion, it can be said that command prompt is an essential and powerful tool that can be used for hacking devices.