ITA1466-ETHICAL HACKING

LAB MANUAL

Exercise No 1: Nmap Scan

NAME	:	K	Ra	kest	1
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Reg No : 192124072

Aim:

To install and perform Nmap scan (note:- you may use ip address or website name)

Procedure:

<u>Step 1:</u> Open Nmap from Kali Linux (Goto Applications->select Information Gathering->select Nmap)

Step 2: Perform different types of scan

(Tcp, Udp, Ack, Syn, Fin, Null, Xmas, Rpc, Idle)- scan types

Scanning Techniques

Flag	Use	Example
-sS	TCP syn port scan	nmap -sS 192.168.1.1
-sT	TCP connect port scan	nmap -sT 192.168.1.1
-sU	UDP port scan	nmap –sU 192.168.1.1
-sA	TCP ack port scan	nmap –sA 192.168.1.1

Step 3:-

To perform host discovery

-Pn	only port scan	nmap -Pn192.168.1.1
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-sn	only host discover	nmap -sn192.168.1.1
-PR	arp discovery on a local network	nmap -PR192.168.1.1
-n	disable DNS resolution	nmap -n 192.168.1.1

<u>Step4:-</u>

Port Specification

<u>Flag</u>	<u>Use</u>	Example
-р	specify a port or port range	nmap -p 1-30 192.168.1.1
-p-	scan all ports	nmap -p- 192.168.1.1
F Step 5:-	fast port scan	nmap -F 192.168.1.1

Service Version and OS Detection

Flag	Use	Example
-sV	detect the version of services running	nmap -sV 192.168.1.1
-A	aggressive scan	nmap -A 192.168.1.1
-О	detect operating system of the target	nmap -O 192.168.1.1

<u>Step 6:-</u>

Timing and Performance

Flag	Use	Example
-T0	paranoid IDS evasion	nmap -T0 192.168.1.1

-T1	sneaky IDS evasion	nmap -T1 192.168.1.1
-T2	polite IDS evasion	nmap -T2 192.168.1.1
-T3	normal IDS evasion	nmap -T3 192.168.1.1
-T4	aggressive speed scan	nmap -T4 192.168.1.1
-T5	insane speed scan	nmap -T5 192.168.1.1

Output:

<u>Step 1:</u> Open Nmap from Kali Linux (Goto Applications->select Information Gathering->select Nmap)

<u>Step 2:</u> Perform different types of scan (Tcp, Udp, Ack, Syn, Fin, Null, Xmas, Rpc, Idle)- scan types

```
nmap -sS 192.168.1.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 13:48 IST
Nmap scan report for 192.168.1.1
Host is up (0.0016s latency).
All 1000 scanned ports on 192.168.1.1 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)
Nmap done: 1 IP address (1 host up) scanned in 5.38 seconds
mmap -sT 192.168.1.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 13:48 IST Nmap scan report for 192.168.1.1
Host is up (0.0011s latency).
All 1000 scanned ports on 192.168.1.1 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)
Nmap done: 1 IP address (1 host up) scanned in 25.39 seconds
nmap -sU 192.168.1.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 13:49 IST
Stats: 0:02:10 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan UDP Scan Timing: About 29.25% done; ETC: 13:57 (0:05:17 remaining)
Stats: 0:06:12 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scar
UDP Scan Timing: About 40.75% done; ETC: 14:05 (0:09:01 remaining)
Stats: 0:06:13 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan
UDP Scan Timing: About 40.80% done; ETC: 14:05 (0:09:01 remaining)
Nmap scan report for 192.168.1.1
Host is up (0.00090s latency).
All 1000 scanned ports on 192.168.1.1 are in ignored states.
Not shown: 1000 open|filtered udp ports (no-response)
Nmap done: 1 IP address (1 host up) scanned in 1719.23 seconds
   nmap -sA 192.168.56.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 13:51 IST
Nmap scan report for 192.168.56.1
Host is up (0.00031s latency).
All 1000 scanned ports on 192.168.56.1 are in ignored states.
Not shown: 1000 unfiltered tcp ports (reset)
Nmap done: 1 IP address (1 host up) scanned in 0.50 seconds
```

Step 3:-

To perform host discovery

```
-# nmap -Pn 192.168.1.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 04:24 EDT
Nmap scan report for 192.168.1.1
Host is up (0.00098s latency).
Not shown: 999 closed tcp ports (reset)
PORT
       STATE
                SERVICE
514/tcp filtered shell
Nmap done: 1 IP address (1 host up) scanned in 14.42 seconds
  nmap -sn 192.168.1.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 04:26 EDT
Nmap scan report for 192.168.1.1
Host is up (0.00074s latency).
Nmap done: 1 IP address (1 host up) scanned in 13.06 seconds
nmap -PR 192.168.1.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 04:26 EDT
Nmap scan report for 192.168.1.1
Host is up (0.0011s latency).
Not shown: 999 closed tcp ports (reset)
PORT
       STATE
                SERVICE
514/tcp filtered shell
Nmap done: 1 IP address (1 host up) scanned in 14.49 seconds
nmap -n 192.168.1.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 04:28 EDT
Nmap scan report for 192.168.1.1
Host is up (0.0021s latency).
Not shown: 999 closed tcp ports (reset)
PORT
       STATE
                SERVICE
514/tcp filtered shell
Nmap done: 1 IP address (1 host up) scanned in 1.42 seconds
```

<u>Step4:-</u>

```
map -p 1-30 192.168.1.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 04:31 EDT
Nmap scan report for 192.168.1.1
Host is up (0.00061s latency).
All 30 scanned ports on 192.168.1.1 are in ignored states.
Not shown: 30 closed tcp ports (reset)
Nmap done: 1 IP address (1 host up) scanned in 13.21 seconds
   nmap -p- 192.168.1.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 04:31 EDT
Nmap scan report for 192.168.1.1
Host is up (0.0019s latency).
Not shown: 65534 closed tcp ports (reset)
PORT
       STATE
                SERVICE
514/tcp filtered shell
Nmap done: 1 IP address (1 host up) scanned in 20.17 seconds
nmap -F 192.168.1.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 04:33 EDT
Nmap scan report for 192.168.1.1
Host is up (0.0026s latency).
Not shown: 99 closed tcp ports (reset)
                SERVICE
PORT
       STATE
514/tcp filtered shell
Nmap done: 1 IP address (1 host up) scanned in 14.40 seconds
```

Step 5:-

```
nmap -sV 192.168.1.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 04:54 EDT
Nmap scan report for 192.168.1.1
Host is up (0.0017s latency).
Not shown: 999 closed tcp ports (reset)
                 SERVICE VERSION
PORT
        STATE
514/tcp filtered shell
Service detection performed. Please report any incorrect results at https://n
map.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 15.64 seconds
nmap -A 192.168.1.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 04:54 EDT
Nmap scan report for 192.168.1.1
Host is up (0.0013s latency).
Not shown: 999 closed tcp ports (reset)
                 SERVICE VERSION
PORT
        STATE
514/tcp filtered shell
Warning: OSScan results may be unreliable because we could not find at least
1 open and 1 closed port
Device type: general purpose
Running: Linux 2.4.X|3.X
OS CPE: cpe:/o:linux:linux_kernel:2.4.37 cpe:/o:linux:linux_kernel:3.2 cpe:/o
:linux:linux kernel:4.4
OS details: DD-WRT v24-sp2 (Linux 2.4.37), Linux 3.2, Linux 4.4
Network Distance: 2 hops
TRACEROUTE (using port 80/tcp)
HOP RTT
            ADDRESS
    0.77 ms 192.168.50.2
1
   1.25 ms 192.168.1.1
OS and Service detection performed. Please report any incorrect results at ht
tps://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 35.22 seconds
```

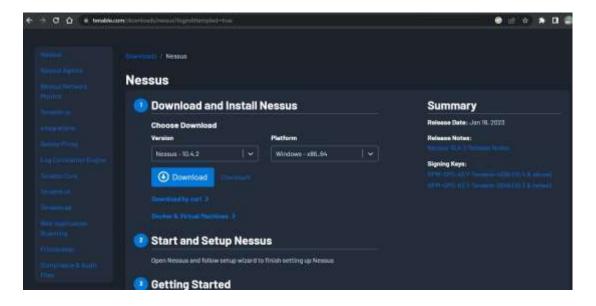
```
map -0 192.168.1.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-15 04:55 EDT
Nmap scan report for 192.168.1.1
Host is up (0.0016s latency).
Not shown: 999 closed tcp ports (reset)
                 SERVICE
       STATE
514/tcp filtered shell
Warning: OSScan results may be unreliable because we could not find at least
1 open and 1 closed port
Device type: general purpose
Running: Linux 2.4.X|3.X
OS CPE: cpe:/o:linux:linux_kernel:2.4.37 cpe:/o:linux:linux_kernel:3.2 cpe:/o
:linux:linux kernel:4.4
OS details: DD-WRT v24-sp2 (Linux 2.4.37), Linux 3.2, Linux 4.4
OS detection performed. Please report any incorrect results at https://nmap.o
rg/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 15.67 seconds
```

Result:

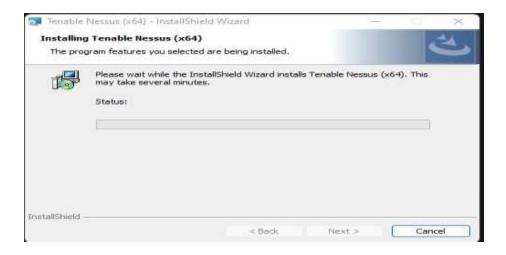
Exercise No 2: Vulnerability Access Scan Using Nessus

Aim : To Download and install Nessus tool and perform a Vulnerability Access scan in kali Linux Operating systems.

Step 1:- https://www.tenable.com/downloads/nessus?loginAttempted=true



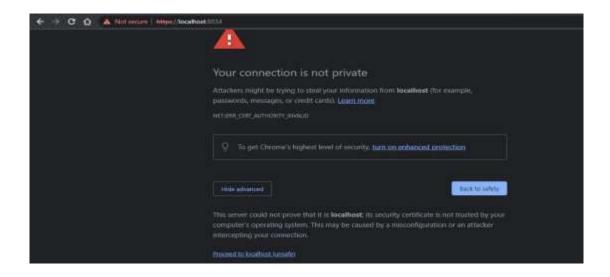
Step 2: Choose your OS and download, install



Step 3: Once installation is completed it will open in default browser



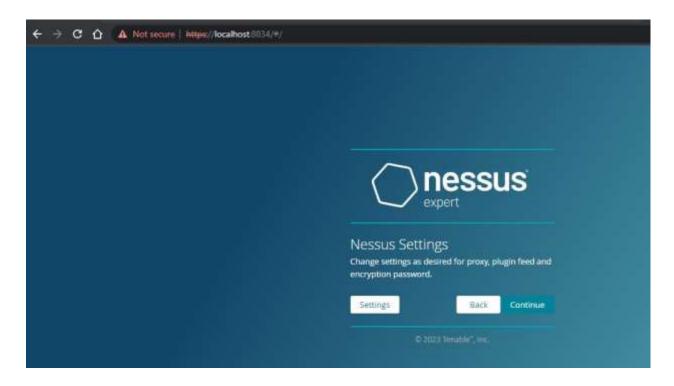
Step 5:- (click on the proceed to local host)



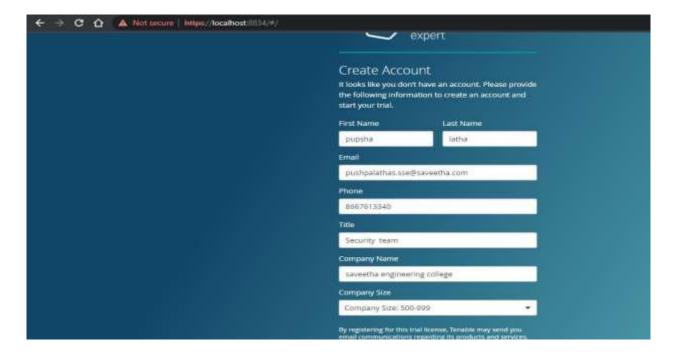
Step 6:- Please choose the Nessus Expert



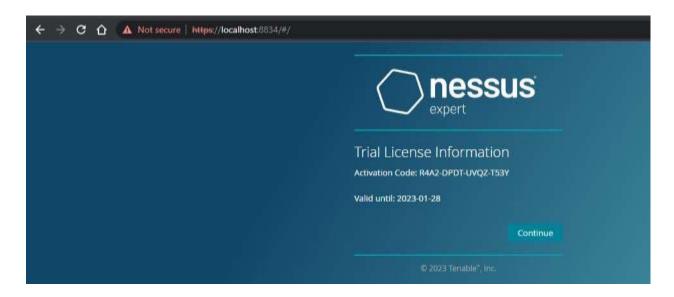
Step 7: Click on continue



Step 8:- Register with your organizational email id



Step 9:- please note down the activation key



Step 10:- set up your username & password

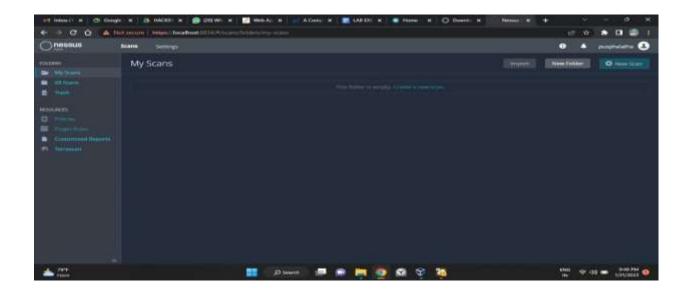


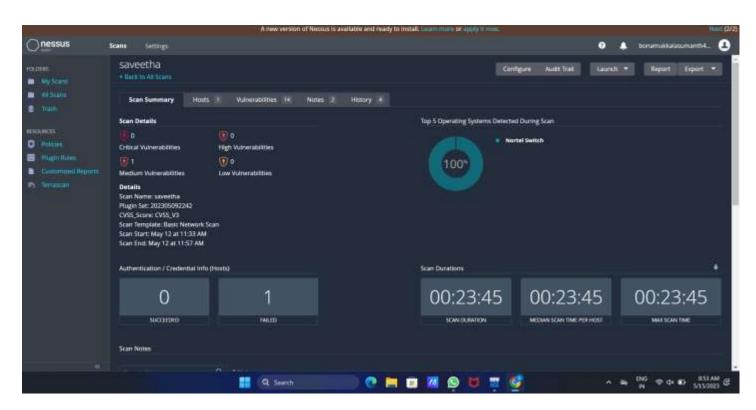
Step 11:-Type username and password

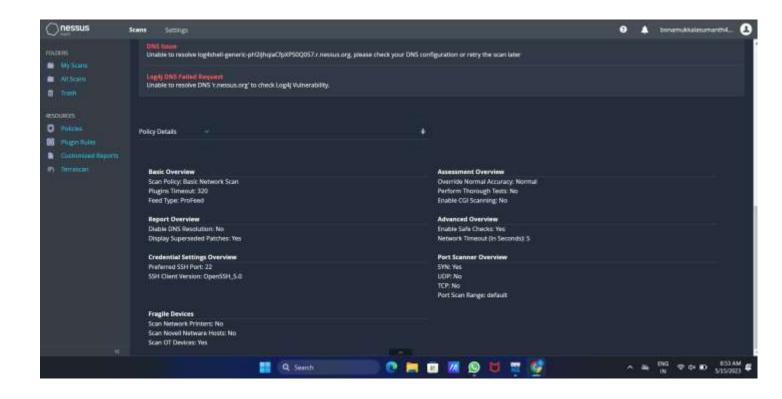


Step 12:- Please wait until download is completed









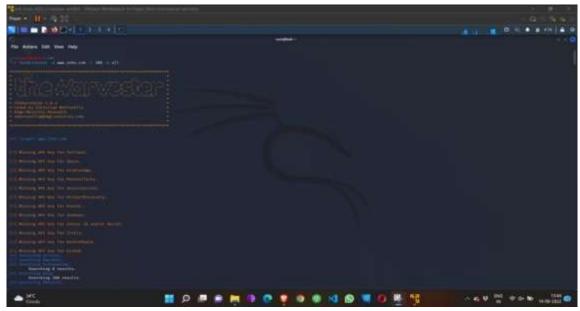
Exercise No 3: Information gathering using the Harvester

Aim: To demonstrate information gathering using the Harvester **Procedure:**

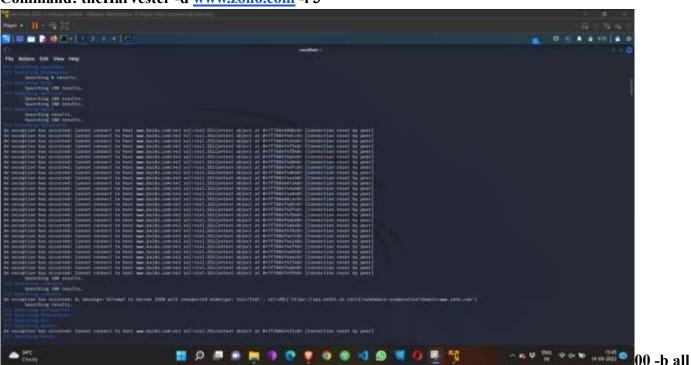
STEP 1: Open Terminal in the kali linux

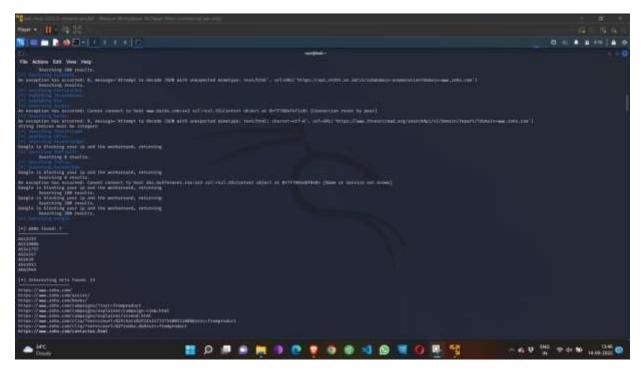
-d [url] will be the remote site from which you wants to fetch-l will limit the search for specified number.-b is used to specify search engine name.

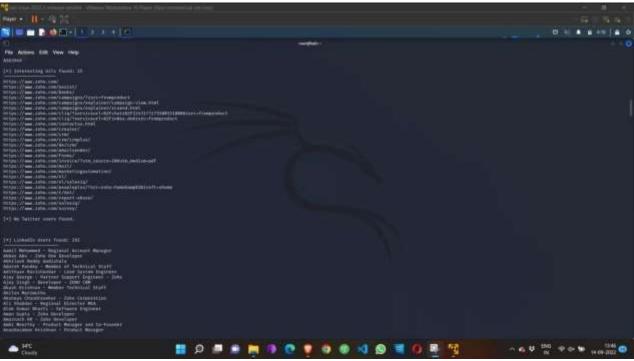
STEP 2: Run the following command

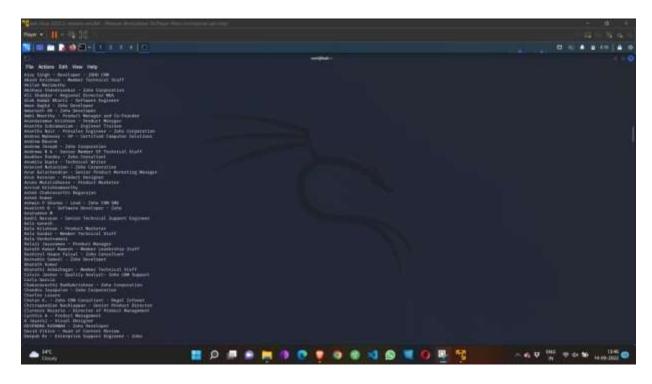


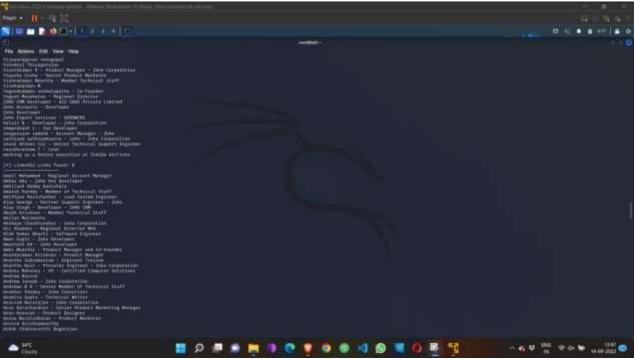
Command: theHarvester -d www.zoho.com -l 3

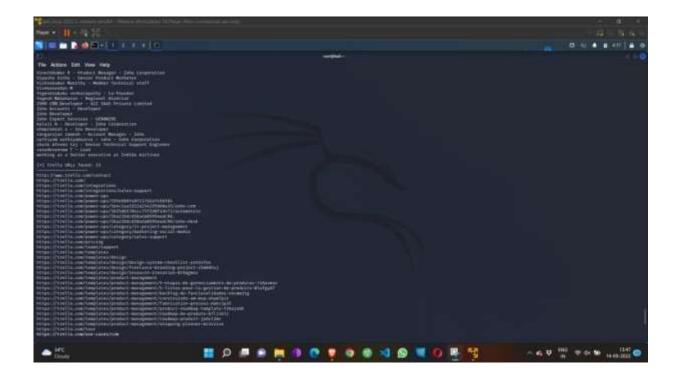












Step 4: run this command "theHarvester -d www.zoho.com -l 300 -b all -f test" and hit enter to export the result as html file and xml file

Step 5: now close the terminal and navigate the home folder and search for test file.

Exercise No 4- Open Source Intelligence Gathering Using OSRFramework

Aim: To Checks for the Existence of a Profile for given user details in different platforms **Procedure:**

- Step 1: Log into kali linux machine
- Step 2: Launch a command line terminal by clicking on terminal icon from taskbar
- Step 3: Usufy.py checks for the existence of a profile for given user details in different platforms

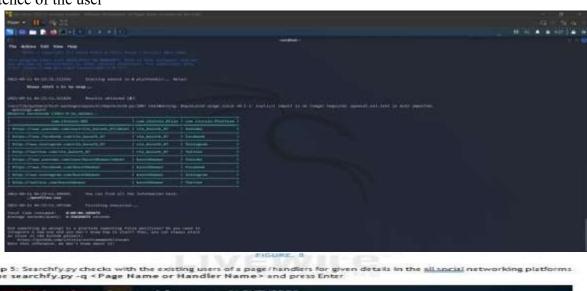
Command:

Usufy.py -n <Target username or profile name> -p twitter facebook youtube

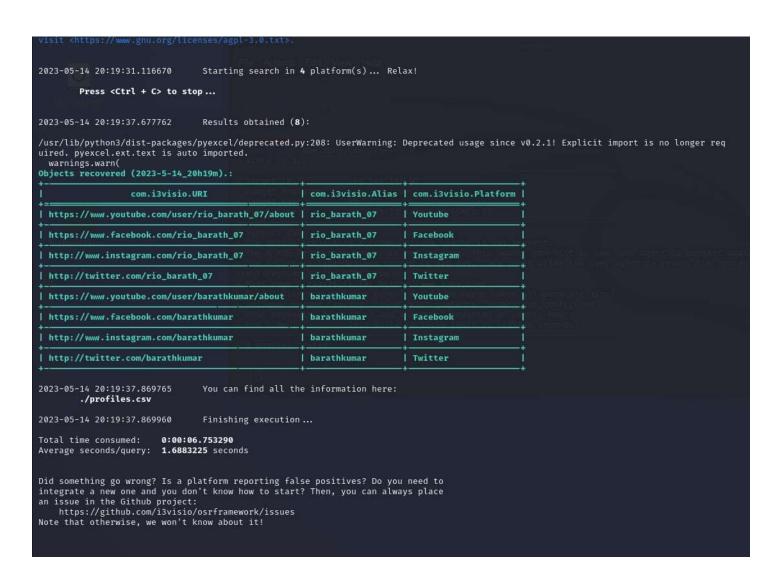


If any error occurs Try this command: Sudo apt-getupdate

The usufy.py will search the user details in the mentioned platform and will provide you with the existence of the user



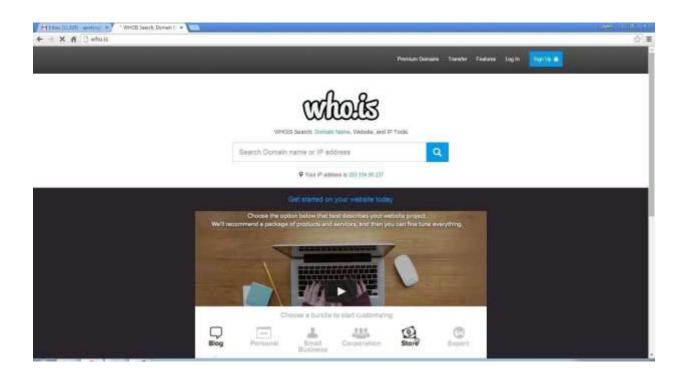




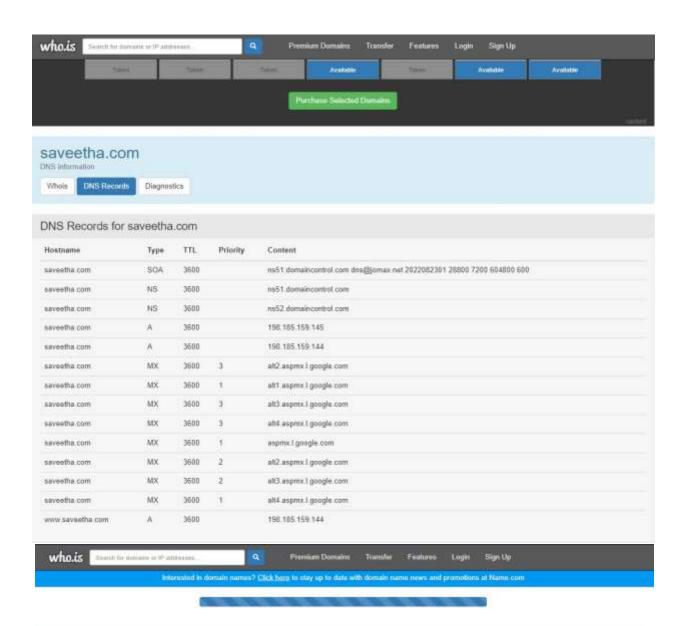
Exercise NO 5: Use Google and Whois for Reconnaisasance.

Aim: To find out the Whois, DNS Records and Diagonstics for particular website by using Whois search. **Procedure:**

Step1: Open the WHO.is website



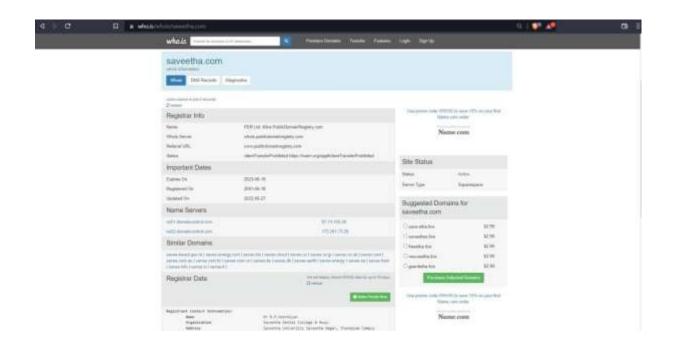
Step 2: Enter the website name in search bar and hit the "Enter button". Step 3: Show you information about www.saveetha.com

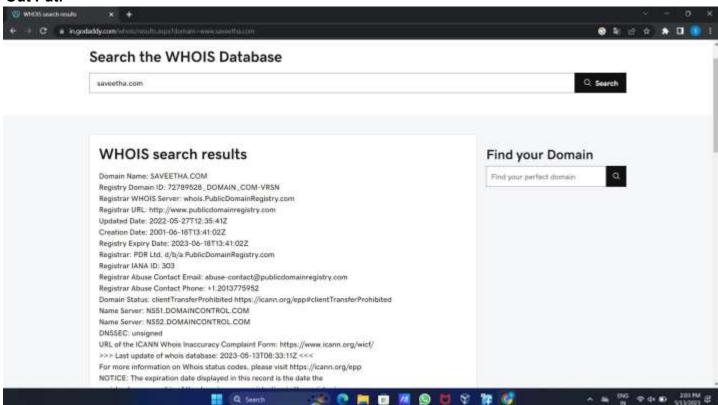




```
Ping

Ping severths.com (198.185.159,144) 56(84) bytes of data.
54 bytes from 198.185.159.144 16mp_seq=1 til=47 time=8.05 ms
64 bytes from 198.185.159.144 16mp_seq=2 til=47 time=8.05 ms
64 bytes from 198.185.159.144 16mp_seq=2 til=47 time=8.05 ms
64 bytes from 198.185.159.144 16mp_seq=2 til=47 time=8.05 ms
64 bytes from 198.185.159.144 16mp_seq=4 til=47 time=9.07 ms
64 bytes from 198.185.159.144 16mp_seq=4 til=47 time=9.07 ms
64 bytes from 198.185.159.144 16mp_seq=4 til=47 time=9.07 ms
65 packets transmitted, 3 received, 6% packet loss, time 4005ms
65 packets transmitted, 3 received, 6% packet loss, time 4005ms
66 packets transmitted, 3 received, 6% packet loss, time 4005ms
67 packets transmitted, 3 received, 6% packet loss, time 4005ms
68 packets transmitted, 3 received, 6% packet loss, time 4005ms
68 packets transmitted, 3 received, 6% packet loss, time 4005ms
68 packets transmitted, 3 received, 6% packet loss, time 4005ms
68 packets transmitted, 3 received, 6% packet loss, time 4005ms
68 packets transmitted, 3 received, 6% packet loss, time 4005ms
68 packets transmitted, 3 received, 6% packet loss, time 4005ms
68 packets transmitted, 3 received, 6% packet loss, time 4005ms
69 packets transmitted, 3 received, 6% packet loss, time 4005ms
69 packets transmitted, 3 received, 6% packet loss, time 4005ms
60 packets transmitted, 3 received, 6% packet loss, time 4005ms
60 packets transmitted, 10 packets
61 packets transmitted, 10 packets
61 packets transmitted, 10 packets
62 packets transmitted, 10 packets
62 packets transmitted, 10 packets
62 packets transmitted, 10 packets
63 packets transmitted, 10 packets
64 packets transmitted, 10 packets
64 packets transmitted, 10 packets
64 packets transmitted, 10 packets
65 packets transmitted, 10 packets
65 packets transmitted, 10 packets
65 packets transmitted, 10 packets
66 packets transmitted, 10 packets
67 packets transmitted, 10 packets
67 packets transmitted, 10 pa
```





Exercise No 6: TraceRoute, ping, ifconfig, ipconfig, netstat

Aim: Using TraceRoute, ping, ifconfig(LINUX), ipconfig(WINDOWS), and netstat Command.

Procedure:

Step 1: open windows command prompt and Type tracert command and type tracert www.saveetha.com -> "Enter"

```
Microsoft Windows [Version 10.8.22000.795]
(c) Microsoft Corporation. All rights reserved.
:\Users\berat>tracert saveetha.com
racing route to saveetha.com [118.139.175.1]
                            4 ms 4 ms 172.18.64.1

2 ms 9 ms 172.22.3.1

17 ms 8 ms 172.22.7.2

9 ms 10 ms ptpl-as56272-rev-241.121.235.180-chn.pulse.in [180.235.121.241]

13 ms 9 ms static-141.121.99.14-tataidc.co.in [14.99.121.141]

9 ms 12 ms 14.141.20.165.static-vsnl.net.in [14.141.20.165]

10 ms 172.31.167.45

11 ms 8 ms ix-ae-4-2.tcorel.cxr-chennal.as6453.net [180.87.36.9]

* if-be-34-2.ecore2.esin4-singapore.as6453.net [180.87.36.41]

45 ms 50 ms if-be-10-2.ecore2.svq-singapore.as6453.net [180.87.167.0]

* Request timed out.
            11 ms
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28
            9 ms
9 ms
            12 ms
            43 ms
                                                             Request timed out.
                                                             Request timed out.
                                                              Request timed out.
                                                              Request timed out.
                                                              Request timed out
                                                              Request timed out.
                                                              Request timed out.
                                                              Request timed out.
                                                              Request timed out
                                                              Request timed out
                                                              Request timed out.
                                                              Request timed out.
                                                               Request timed out.
                                                               Request timed out.
race complete.
```

Step 2: Type ping command and type IP Address press "Enter"

```
C:\Users\barat>ping 172.18.64.1

Pinging 172.18.64.1 with 32 bytes of data:
Reply from 172.18.64.1: bytes=32 time=7ms TTL=255
Reply from 172.18.64.1: bytes=32 time=28ms TTL=255
Reply from 172.18.64.1: bytes=32 time=34ms TTL=255
Reply from 172.18.64.1: bytes=32 time=75ms TTL=255
Reply from 172.18.64.1: bytes=32 time=75ms TTL=255

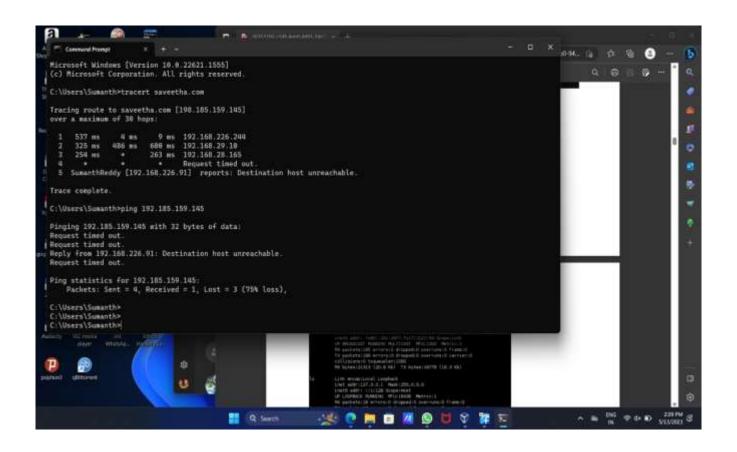
Ping statistics for 172.18.64.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 7ms, Maximum = 75ms, Average = 36ms
```

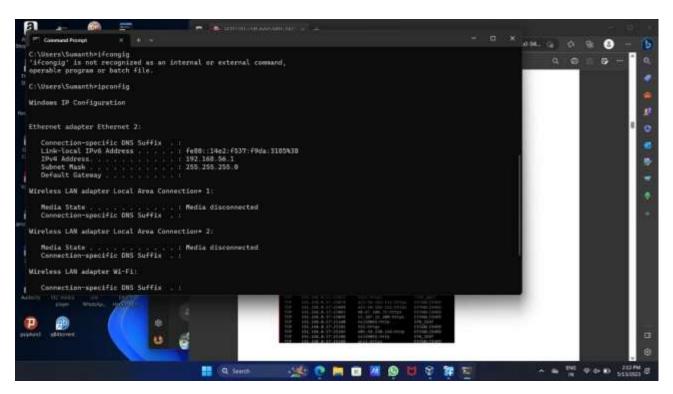
Step 3: Type ifconfig command

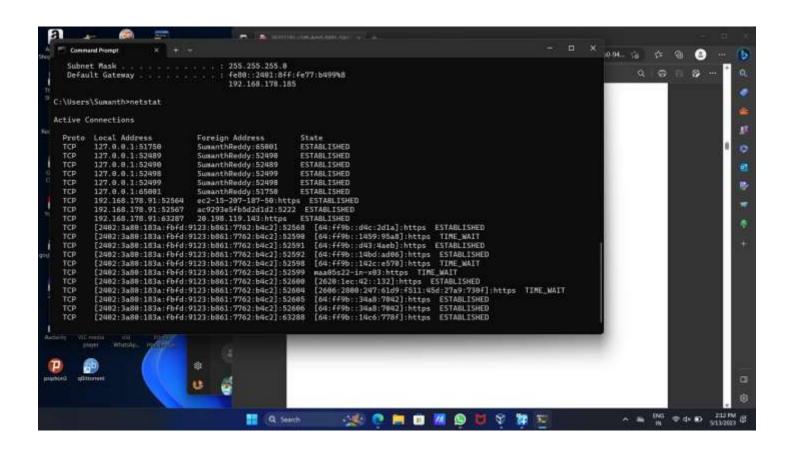
```
ifconfig
etho
          Link encap:Ethernet Hwaddr 00:00:29:17:18:27
          inet addr:192.168,208.133 Bcast:192.168.208.255 Mask:255.255.2
          inet6 addr: fe80::20c:29ff:fe17:1b27/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:195 errors:0 dropped:0 overruns:0 frame:0
          TX packets:189 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:21313 (20.8 Kb) TX bytes:16778 (16.3 Kb)
          Link encap:Local Loopback
lo
          inet addr:127.0.0.1 Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING MTU:16436 Metric:1
          RX packets:18 errors:0 dropped:0 overruns:0 frame:0
          TX packets:18 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:1060 (1.0 Kb) TX bytes:1060 (1.0 Kb)
```

Step 4: Type netstat c

```
\Users\singh>netstat
Active Connections
 Proto Local Address
                                Foreign Address
                                                       State
                                DESKTOP-923RK3N:1565
                                                       ESTABLISHED
        127.0.0.1:1564
 TCP
                                DESKTOP-923RK3N:1564
        127.0.0.1:1565
                                                       ESTABLISHED
 TCP
        127.0.0.1:25104
                                DESKTOP-923RK3N:25105
                                                       ESTABLISHED
 TCP
        127.0.0.1:25105
                                DESKTOP-923RK3N: 25184
                                                      ESTABLISHED
                                DESKTOP-923RK3N:25108 ESTABLISHED
 TCP
        127.0.0.1:25107
        127.0.0.1:25108
                                DESKTOP-923RK3N:25107
                                                       ESTABLISHED
 TCP
 TCP
        127.0.0.1:25112
                               DESKTOP-923RK3N:25113
                                                      ESTABLISHED
                                DESKTOP-923RK3N:25112 ESTABLISHED
        127.0.0.1:25113
 TCP
        127.0.0.1;25114
                                DESKTOP-923RK3N:25115
                                                       ESTABLISHED
 TCP
        127.0.0.1:25115
                                DESKTOP-923RK3N:25114
                                                      ESTABLISHED
                                52.230.84.217:https
                                                       ESTABLISHED
        192.168.0.57:24938
        192.168.0.57:24978
 TCP
                                162.254.196.84:27021
                                                       ESTABLISHED
 TCP
        192.168.0.57:25052
                                a23-56-165-111:https
                                                       ESTABLISHED
        192.168.0.57:25072
                                test:https
                                                       TIME WAIT
 TCP
                                                       ESTABLISHED
        192.168.0.57:25078
                                a23-56-165-111:https
 TCP
        192,168.0.57:25080
                                a23-56-165-111:https
                                                       ESTABLISHED
 TCP
        192.168.0.57:25083
                                40.67.188.75:https
                                                       ESTABLISHED
        192.168.0.57:25099
                                                       ESTABLISHED
 TCP
                                13.107.21.200:https
        192.168.0.57:25100
                                ns329092:http
                                                       SYN SENT
 TCP
        192.168.0.57:25101
                                155:https
                                                       ESTABLISHED
        192.168.0.57:25103
                                183.56.238.154:http
                                                       ESTABLISHED
 TCP
        192.168.0.57:25106
                                ns329092:http
                                                       SYN_SENT
```







Exercise No 7:VULNERABILITY ANALYSIS - CGI Scanning with Nikto Aim:To perform vulnerability Analysis using CGI Scanning with Nikto

Procedure:

Step 1: open a terminal window and type nikto –H and press enter Step 2: Type nikto –h <website> Tuning x and press enter



Step 3: Nikto starts web server scanning with all tuning options enabled.

Step4:In the terminal window type "nikto –h <website>-Cgidirs all"and hit enter



Step 5. Nikto will scan the webserver as it looks vulnerable CGI directories. It scans the webserver and list out the directories **Out Put:**

```
Initio -h www.zoho.com -Tuning x

Nikto v2.1.5

Target IP: 169.168.148.97

Target Hostname: www.zoho.com

Target Port: 80

Start Time: 2023-05-14 20:46:15 (GMT5.5)

Server: 265

The anti-clickjacking X-Frame-Options header is not present.

The x-XSS-Protection header is not defined. This header can hint to the user agent to protect against some forms of XS5

The X-Content-Type-Options header is not sot. This could allow the user agent to render the content of the site in a different fashion to the MIME type

Root page / redirects to: https://www.ruho.com/

- No CGT Directories found (use '-C all' to force check all passible dirs)

- Uncommon header 'zproxy' found, with contents: domain_not_configured

Uncommon header 'zproxy' found, with contents: domain_not_configured
```

Exercise No 8: WireShark sniffer

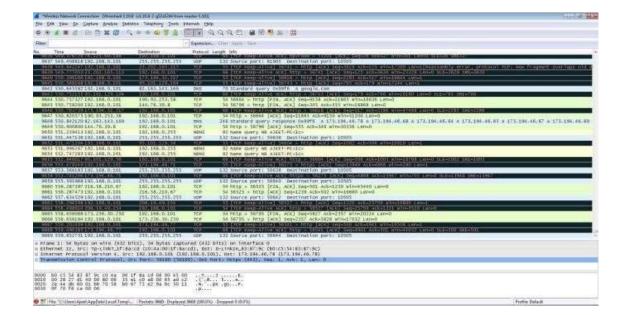
Aim: Use WireShark sniffer to capture network traffic and analyze. Procedure:

Step 1: Install and open WireShark.

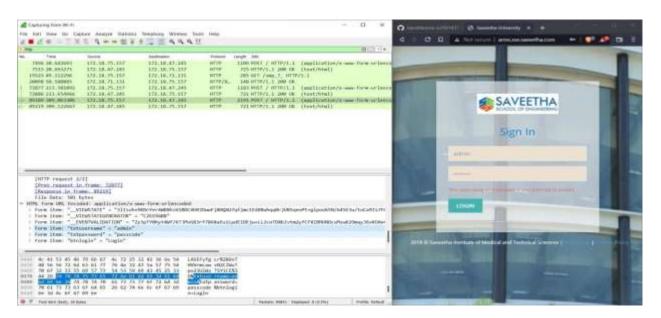


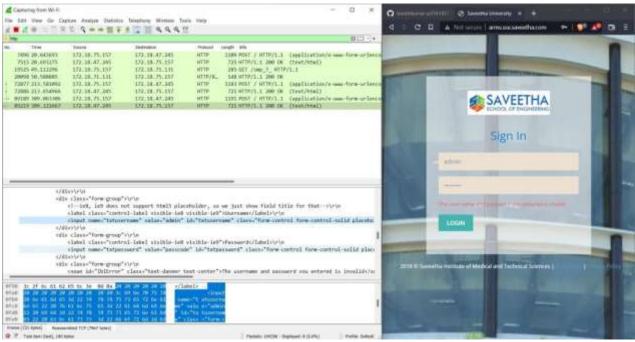
Step 2: Go to Capture tab and select Interface option. Here Wifi connection is chosen

Step 3: The source, Destination and protocols of the packets in the Wifi network are displayed



- Step 4: Open a website in a new window and enter the user id and password. Register if needed.
- Step 5:Enter the credentials and then sign in
- Step 6: The wireshark tool will keep recording the packets.
- Step 7: Select filter as http to make the search easier and click on apply.
- Step 9: Now stop the tool to stop recording





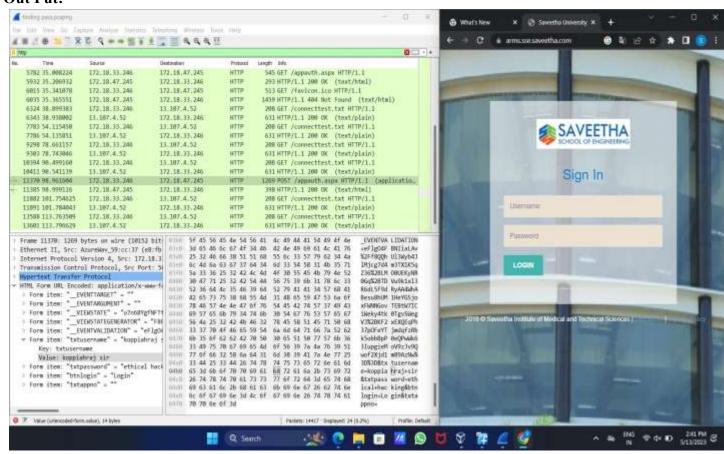
Step 10: Find the post methods for username and passwords

Step 11: U will see the email- id and password that you used to log in.

DOS

Using NEMESIS

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation.
                                                            All rights reserved.
C:\Users\admin>cd C:\Users\admin\Downloads\EH\NEMESIS 1.0.0\NEMESIS 1.0.0
C:\Users\admin\Downloads\EH\NEMESIS 1.0.0\NEMESIS 1.0.0>NEMESIS.exe
ERROR: Missing argument: host
ERROR: Missing argument: port
ERROR: Missing argument: threads
nemesis.exe - NEMESIS DDoS Tool
Usage: nemesis.exe -h <host> -p <port> -t <threads> [-T]
Available commands:
                      Use TOR
       -usetor
                      Specify a host without http://
Specify webserver port
Specify number of threads
 h,
        -host
 p.
        port
         threads
        -help
                      Shows the help screen.
```



Requirements:

- Kali linux running as an attacker machine
- Windows 7 running as virtual machine
- Admin privileges

Procedure:

- 1.Start the kali linux machine and open a terminal window
- 2. Type "sudo apt-get update" command
- 3. Now type enum4linux-h and hit enter to get help options With the help options conduct the enumeration on target machine
- 4.In the terminal window type enum4linux -u -p -U and hit enter to run this tool using the user list options
- 5.Enum4linux starts enumerating the workgroups/domain names first and display the results
- 6.To enumerate all the information Use this command enum4linux -a

```
| Crost@ Lail) = [~] | Senver doesn't allow session using username ***, password ***. Aborting remainder of tests.
```

EX.NO: 10 DATE: BATCH FILE EXECUTION

AIM: To create a Windows batch file.

PROCEDURE:

Step 1: Open a text file, such as a Notepad or WordPad document

Step 2 : Add your commands, starting with @echo [off], followed by, each in a new line, title [title of your batch script], echo [first line], and pause.

Step 3: Save your file with the file extension **BAT**, for example, **test.bat**.

Step 4: To run your batch file, double-click the BAT file you just created.

Step 5: To edit your batch file, right-click the BAT file and select Edit.

And here's the corresponding command window for the example above:

1.Create a New Text Document

A batch file simplifies repeatable computer tasks using the Windows command prompt.

Below is an example of a batch file responsible for displaying some text in your command prompt.

Create a new BAT file by right-clicking an empty space within a directory and selecting **New**, **then Text Document**.

1.CODE:

Double-click this **New Text Document** to open your default text editor. Copy and paste the following code into your text entry.

- >> @echo off
- >> echo hello
- >> Pause
- >> echo This is new
- >> echo this is second one
- >> pause

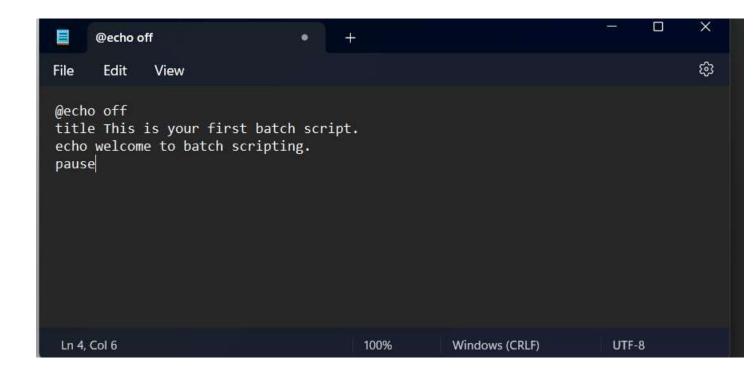
1. TO SAVE a BAT File

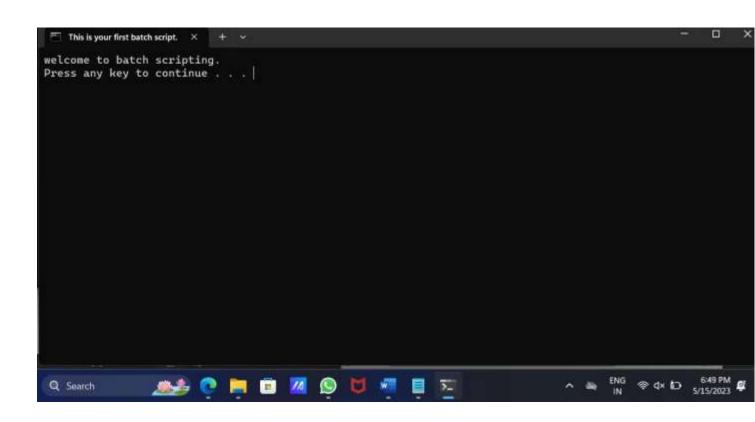
The above script echoes back the text "Welcome to batch scripting!" Save your file by heading to **File > Save As**, and then name your file what you'd like. End your file name with the added **BAT** extension, for example **test.bat**, and click **OK**. This will finalize the batch process. Now, double-click on your newly created batch file to activate it.

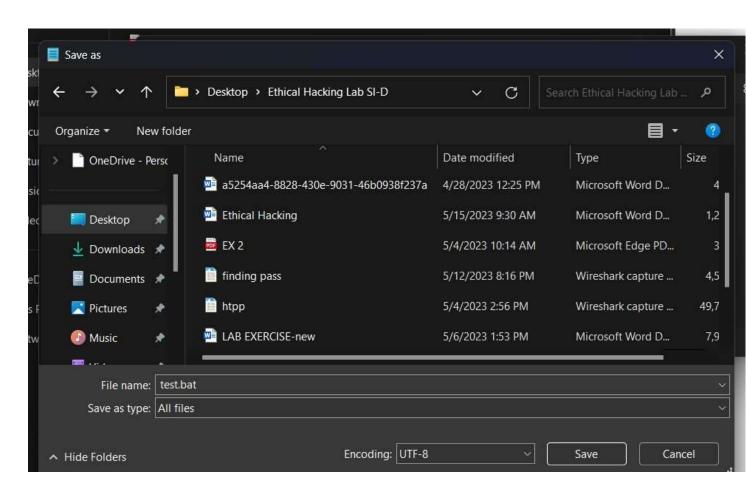
2.To RUN as BAT File

Once you'd saved your file, all you need to do is **double-click your BAT file**. Instantly, your web pages will open. If you'd like, you can place this file on your desktop. This will allow you to access all of your favorite websites at once.

OUT PUT:







RESULT:

Thus the Creation and execution of BATCH FILE was successfully completed.