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REG.NO: 20BIT0238

SUBJECT: CSE3502

FACULTY : SUMAYA THASEEN

DIGITAL – ASSIGNMENT 4

1. Perform a credential harvesting using setoolkit by cloning any web template like google/facebook using your Kali IP. (4 marks)

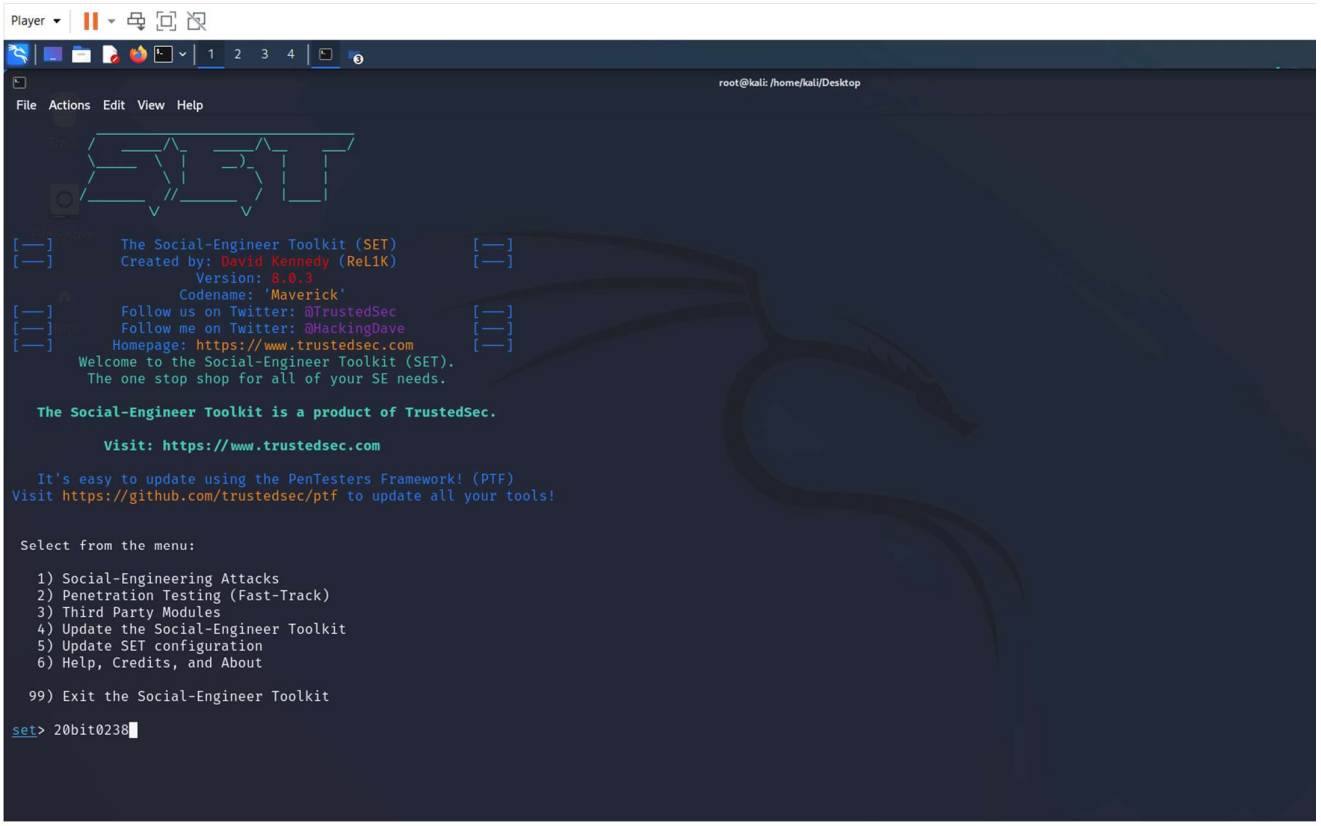
Give the snapshot of the following

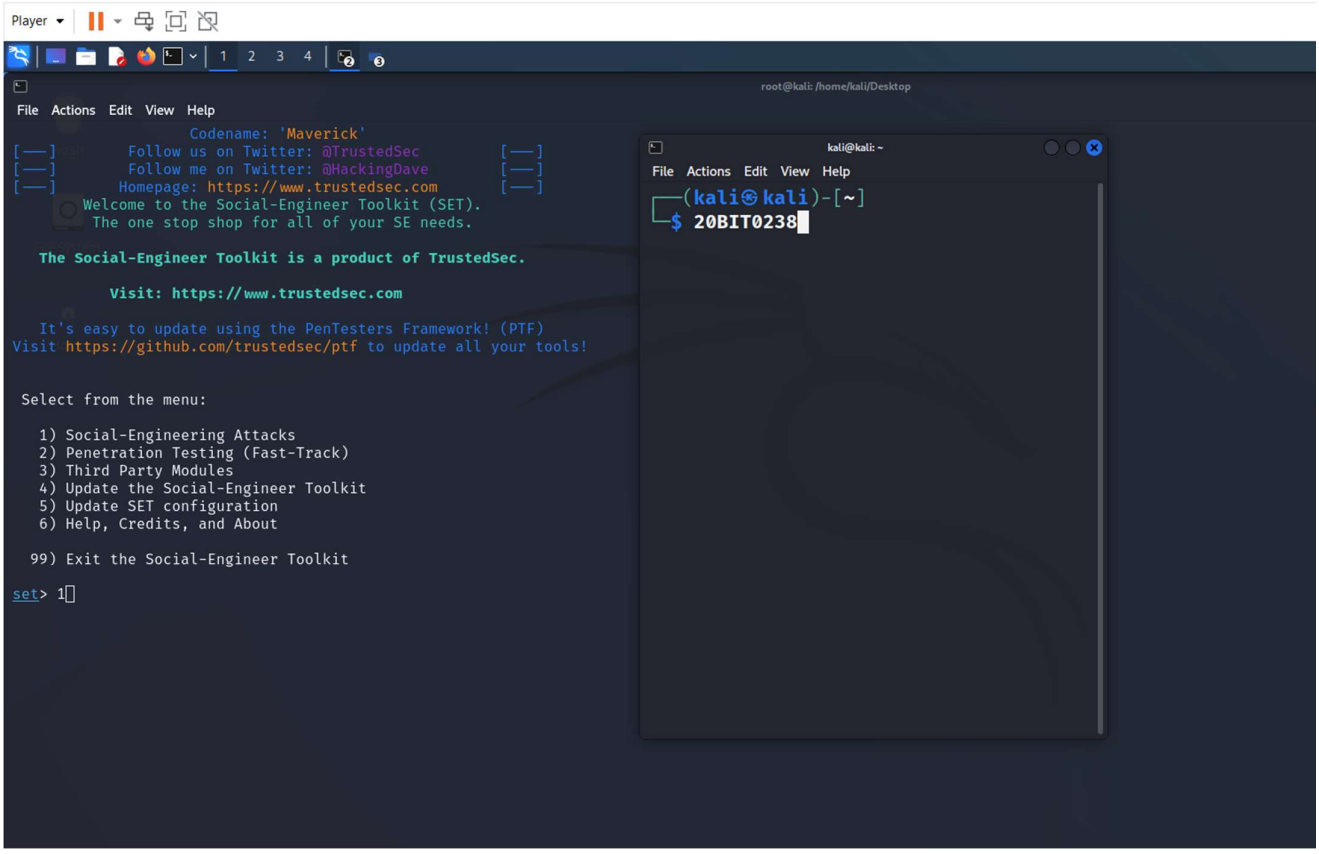
 Kali IP in the browser

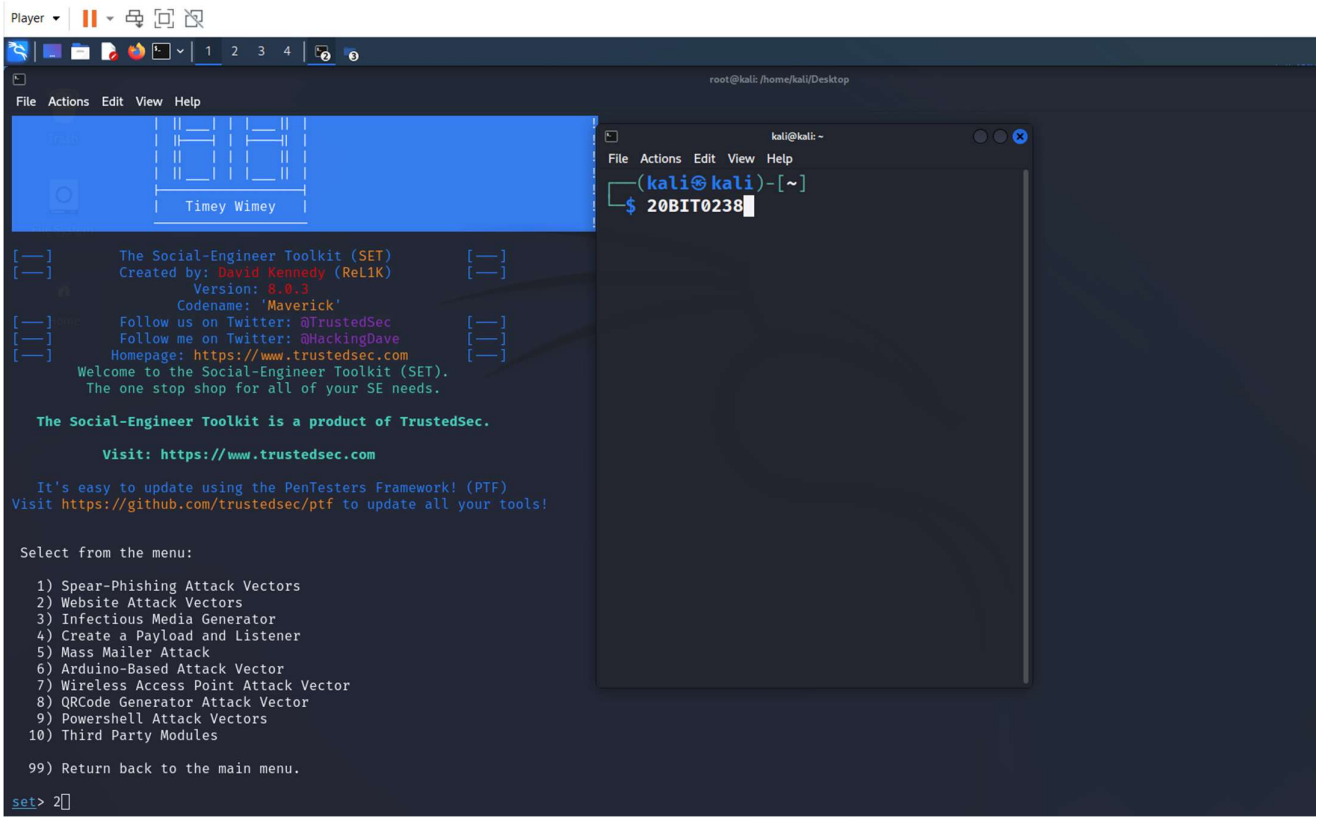
 Sniff the username as your registration number and password as your full name in the Kali Console

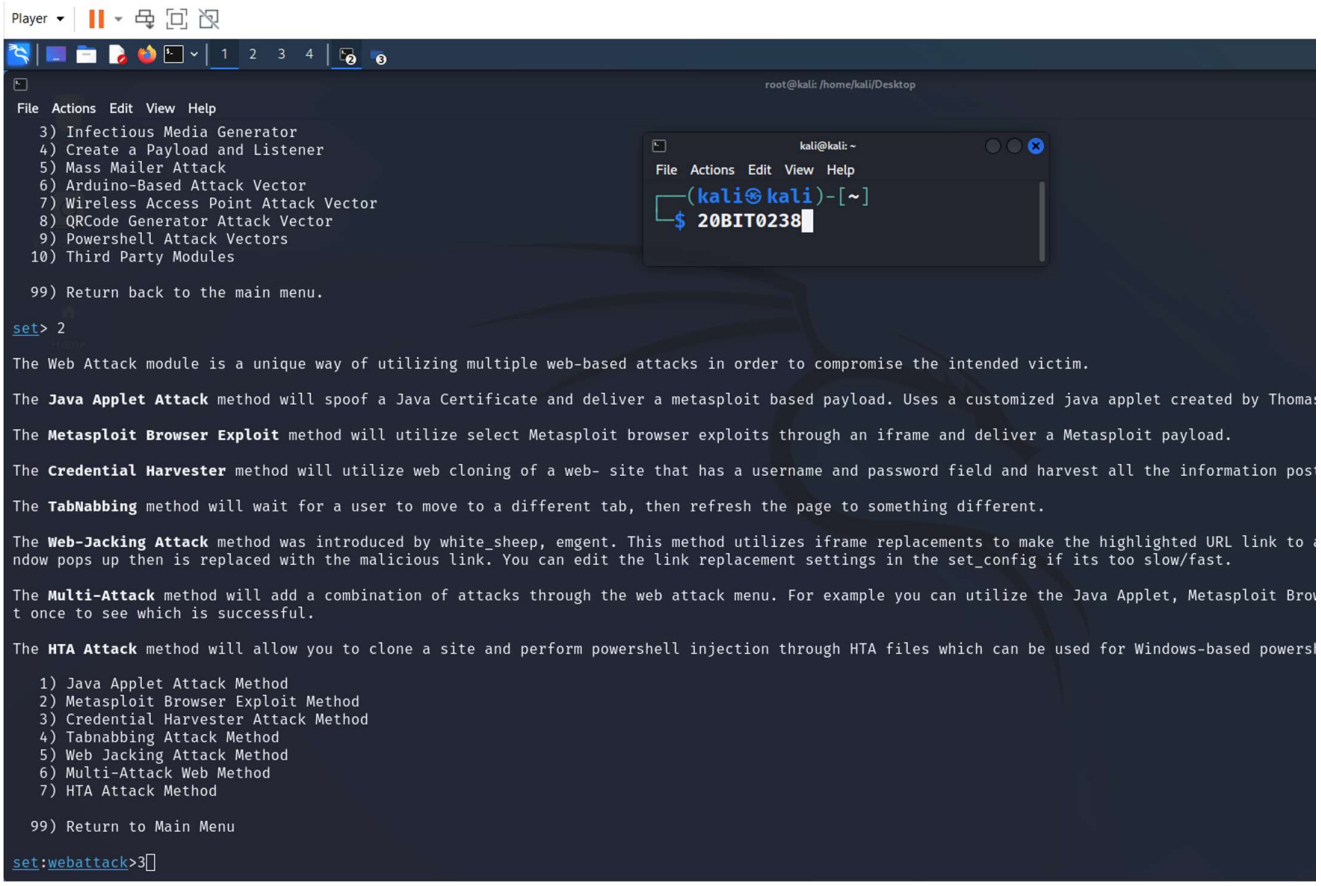
 Save the results in a .txt file and also in a google drive link

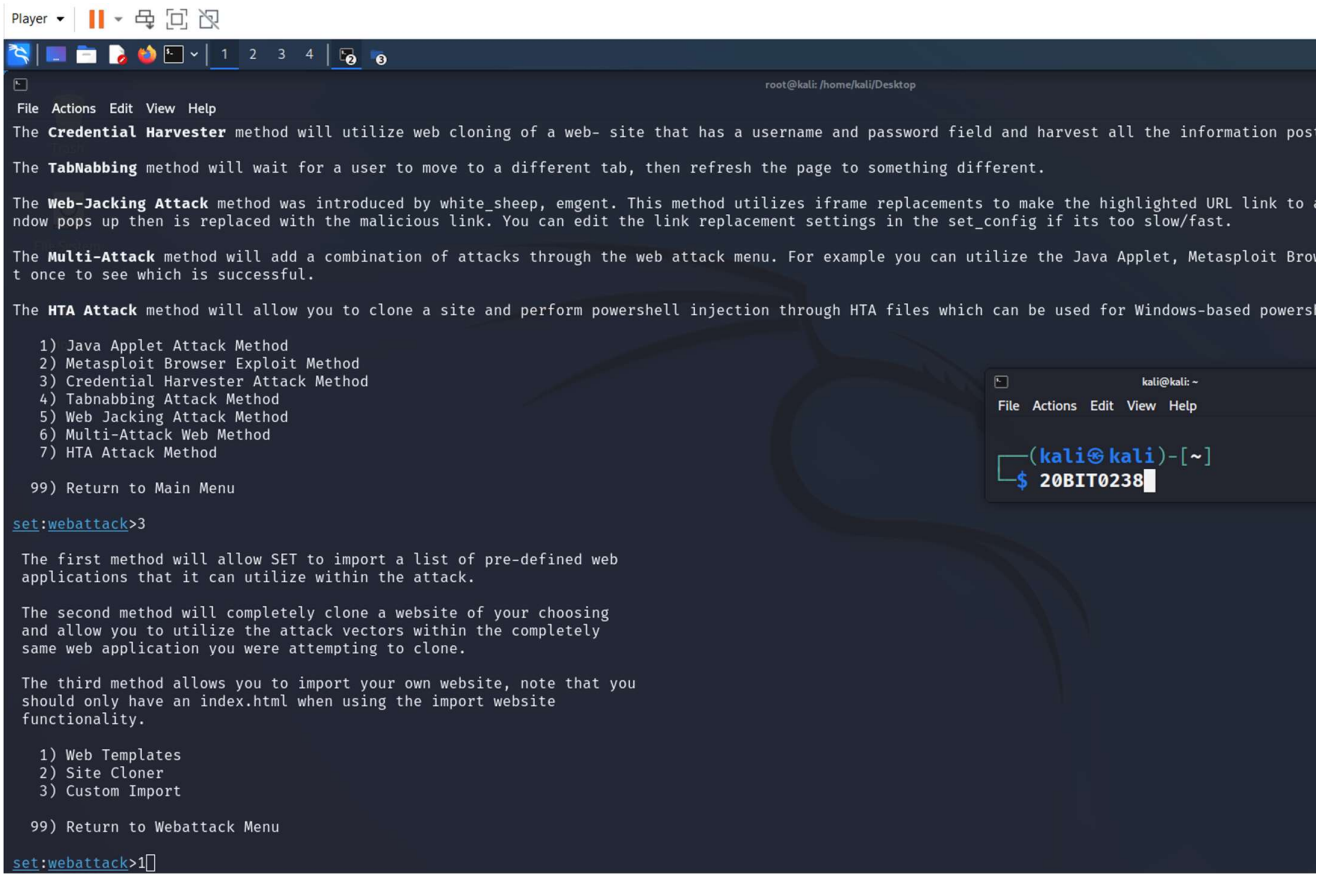
Command : setoolkit




Player
1 2 3 4
root@kali: /home/kali/Desktop
File Actions Edit View Help
Codename: 'Maverick'
Follow us on Twitter: @TrustedSec
Follow me on Twitter: @HackingDave
Homepage: https://www.trustedsec.com
Welcome to the Social-Engineer Toolkit (SET).
The one stop shop for all of your SE needs.
The Social-Engineer Toolkit is a product of TrustedSec.
Visit: https://www.trustedsec.com
It's easy to update using the PenTesters Framework! (PTF)
Visit https://github.com/trustedsec/ptf to update all your tools!
Select from the menu:
1) Social-Engineering Attacks
2) Penetration Testing (Fast-Track)
3) Third Party Modules
4) Update the Social-Engineer Toolkit
5) Update SET configuration
6) Help, Credits, and About
99) Exit the Social-Engineer Toolkit
set> 1
kali@kali: ~
File Actions Edit View Help
(kali㉿kali)-[~]
$ 20BIT0238


Player
1 2 3 4
root@kali: /home/kali/Desktop
File Actions Edit View Help
Timey Wimey
The Social-Engineer Toolkit (SET)
Created by: David Kennedy (ReL1K)
Version: 8.0.3
Codename: 'Maverick'
Follow us on Twitter: @TrustedSec
Follow me on Twitter: @HackingDave
Homepage: https://www.trustedsec.com
Welcome to the Social-Engineer Toolkit (SET).
The one stop shop for all of your SE needs.
The Social-Engineer Toolkit is a product of TrustedSec.
Visit: https://www.trustedsec.com
It's easy to update using the PenTesters Framework! (PTF)
Visit https://github.com/trustedsec/ptf to update all your tools!
Select from the menu:
1) Spear-Phishing Attack Vectors
2) Website Attack Vectors
3) Infectious Media Generator
4) Create a Payload and Listener
5) Mass Mailer Attack
6) Arduino-Based Attack Vector
7) Wireless Access Point Attack Vector
8) QRCode Generator Attack Vector
9) Powershell Attack Vectors
10) Third Party Modules
99) Return back to the main menu.
set> 2
kali@kali: ~
File Actions Edit View Help
(kali㉿kali)-[~]
$ 20BIT0238


Player
1 2 3 4
root@kali: /home/kali/Desktop
File Actions Edit View Help
3) Infectious Media Generator
4) Create a Payload and Listener
5) Mass Mailer Attack
6) Arduino-Based Attack Vector
7) Wireless Access Point Attack Vector
8) QRCode Generator Attack Vector
9) Powershell Attack Vectors
10) Third Party Modules
99) Return back to the main menu.
set> 2
The Web Attack module is a unique way of utilizing multiple web-based attacks in order to compromise the intended victim.
The Java Applet Attack method will spoof a Java Certificate and deliver a metasploit based payload. Uses a customized java applet created by Thomas
The Metasploit Browser Exploit method will utilize select Metasploit browser exploits through an iframe and deliver a Metasploit payload.
The Credential Harvester method will utilize web cloning of a web- site that has a username and password field and harvest all the information post
The TabNabbing method will wait for a user to move to a different tab, then refresh the page to something different.
The Web-Jacking Attack method was introduced by white_sheep, emgent. This method utilizes iframe replacements to make the highlighted URL link to a
ndow pops up then is replaced with the malicious link. You can edit the link replacement settings in the set_config if its too slow/fast.
The Multi-Attack method will add a combination of attacks through the web attack menu. For example you can utilize the Java Applet, Metasploit Brow
t once to see which is successful.
The HTA Attack method will allow you to clone a site and perform powershell injection through HTA files which can be used for Windows-based powersh
1) Java Applet Attack Method
2) Metasploit Browser Exploit Method
3) Credential Harvester Attack Method
4) Tabnabbing Attack Method
5) Web Jacking Attack Method
6) Multi-Attack Web Method
7) HTA Attack Method
99) Return to Main Menu
set:webattack>3
kali@kali: ~
File Actions Edit View Help
(kali㉿kali)-[~]
$ 20BIT0238


Player
1 2 3 4
root@kali: /home/kali/Desktop
File Actions Edit View Help
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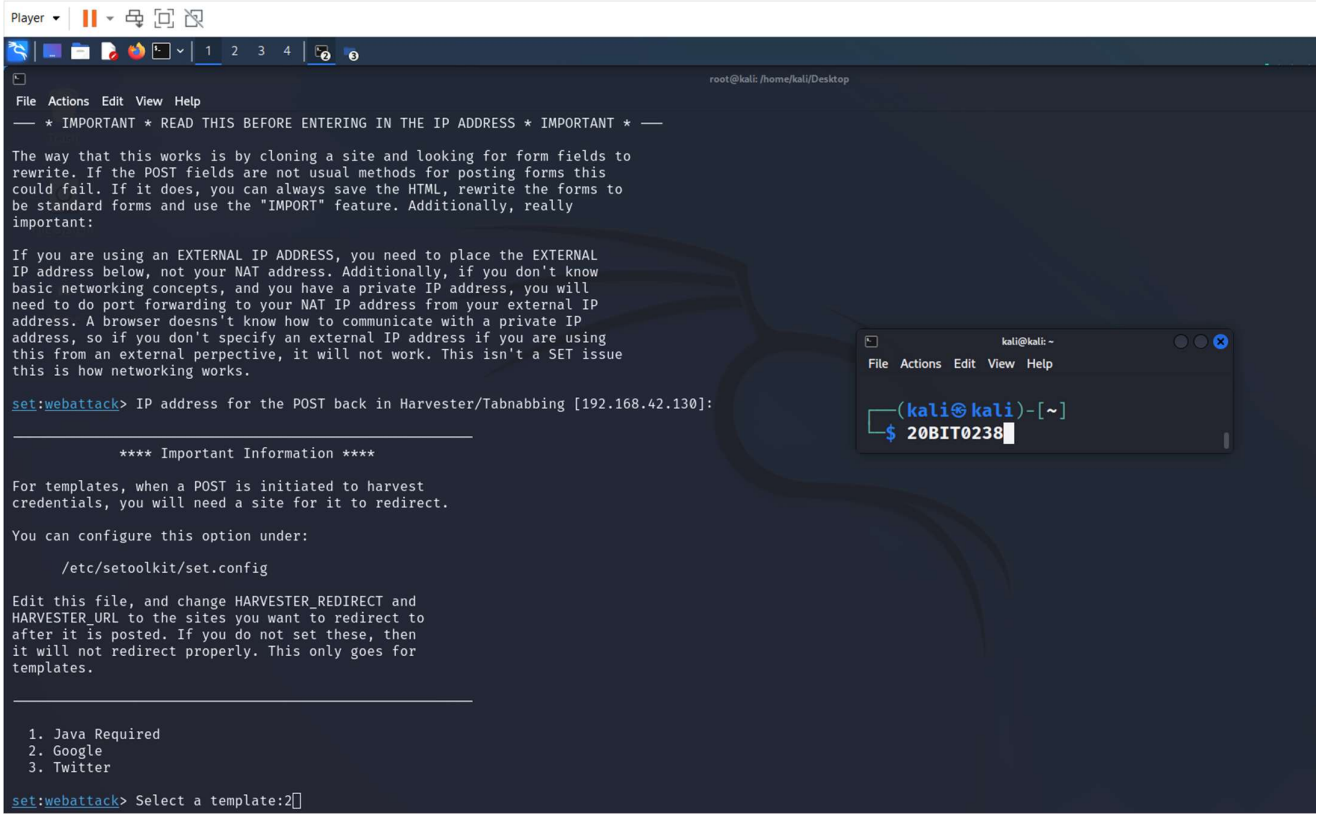
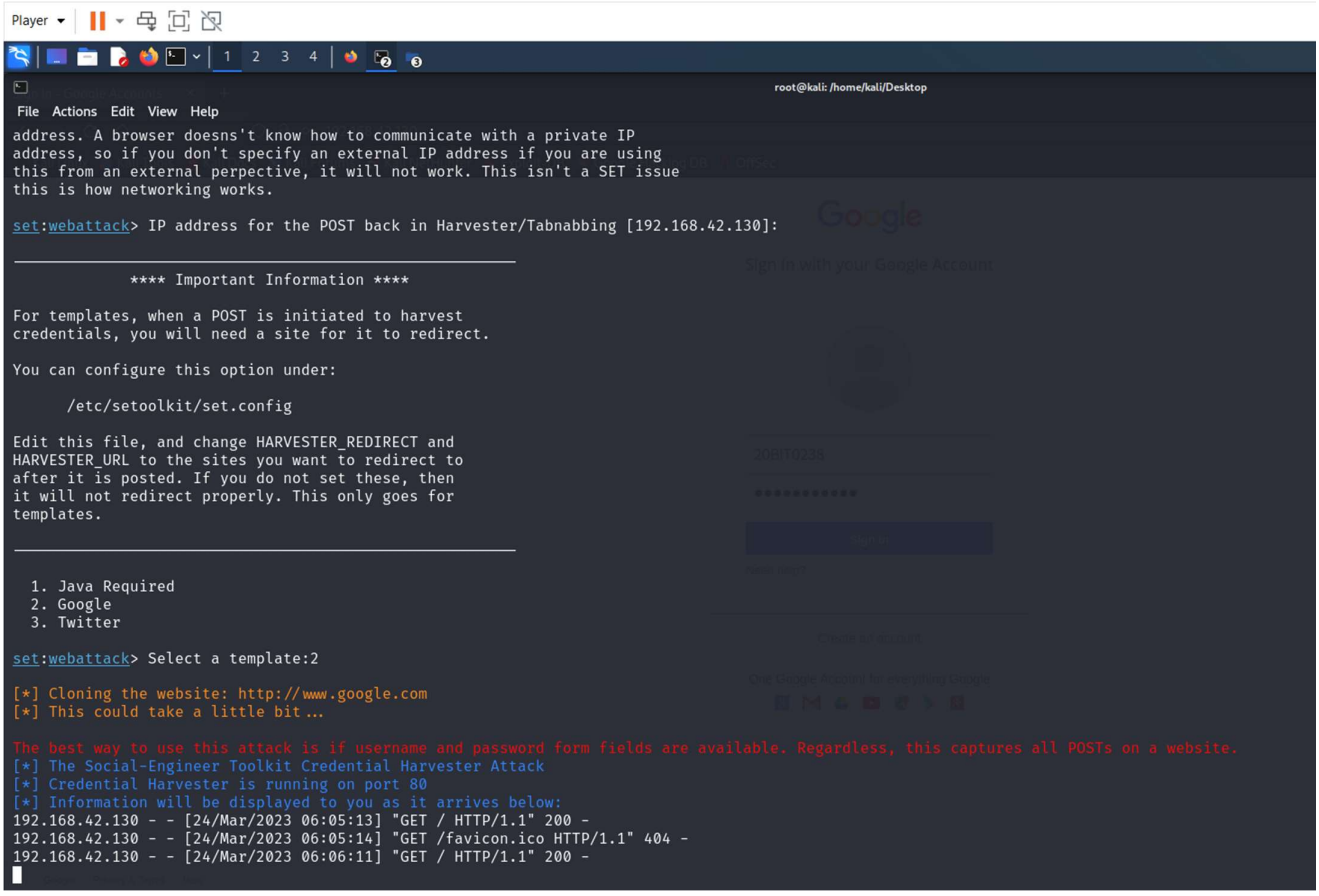
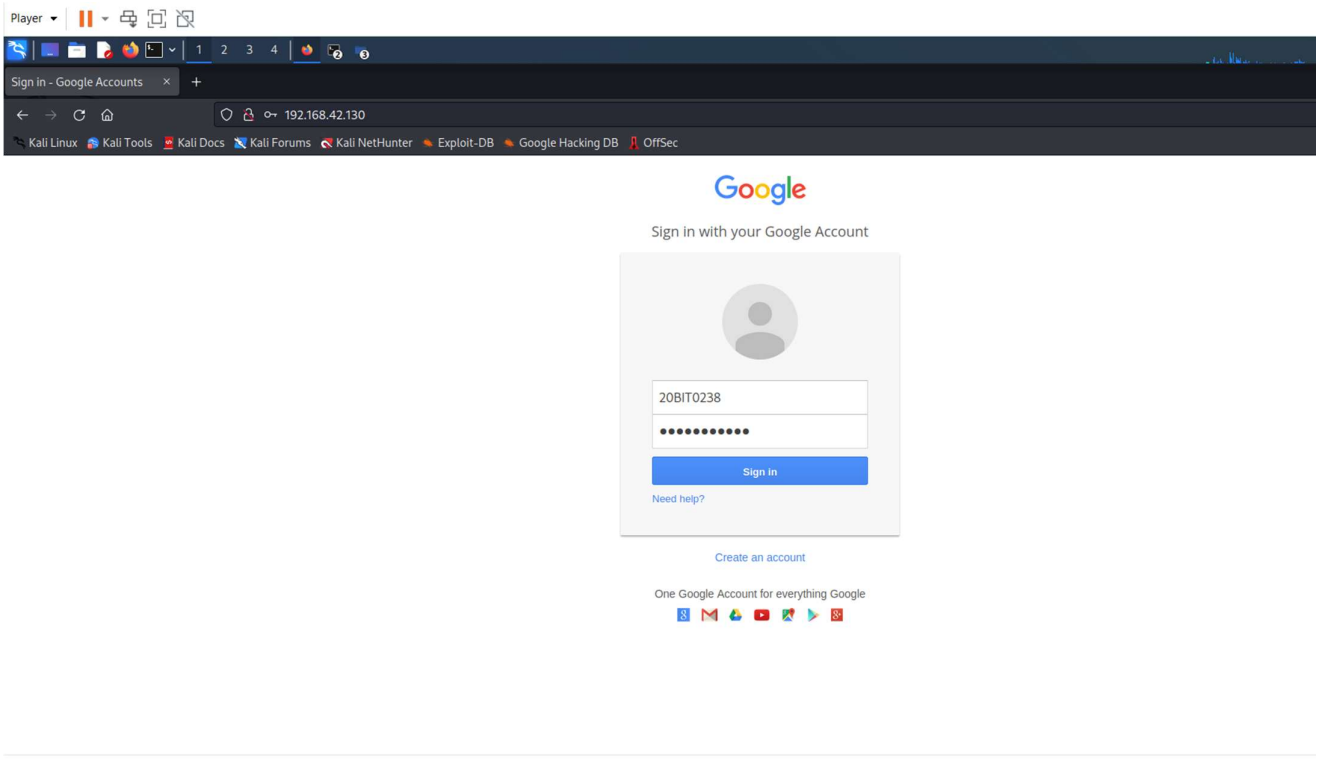
1) Java Applet Attack Method
2) Metasploit Browser Exploit Method
3) Credential Harvester Attack Method
4) Tabnabbing Attack Method
5) Web Jacking Attack Method
6) Multi-Attack Web Method
7) HTA Attack Method
99) Return to Main Menu
set:webattack>3
The first method will allow SET to import a list of pre-defined web
applications that it can utilize within the attack.
The second method will completely clone a website of your choosing
and allow you to utilize the attack vectors within the completely
same web application you were attempting to clone.
The third method allows you to import your own website, note that you
should only have an index.html when using the import website
functionality.
1) Web Templates
2) Site Cloner
3) Custom Import
99) Return to Webattack Menu
set:webattack>1
kali@kali: ~
File Actions Edit View Help
(kali㉿kali)-[~]
$ 20BIT0238

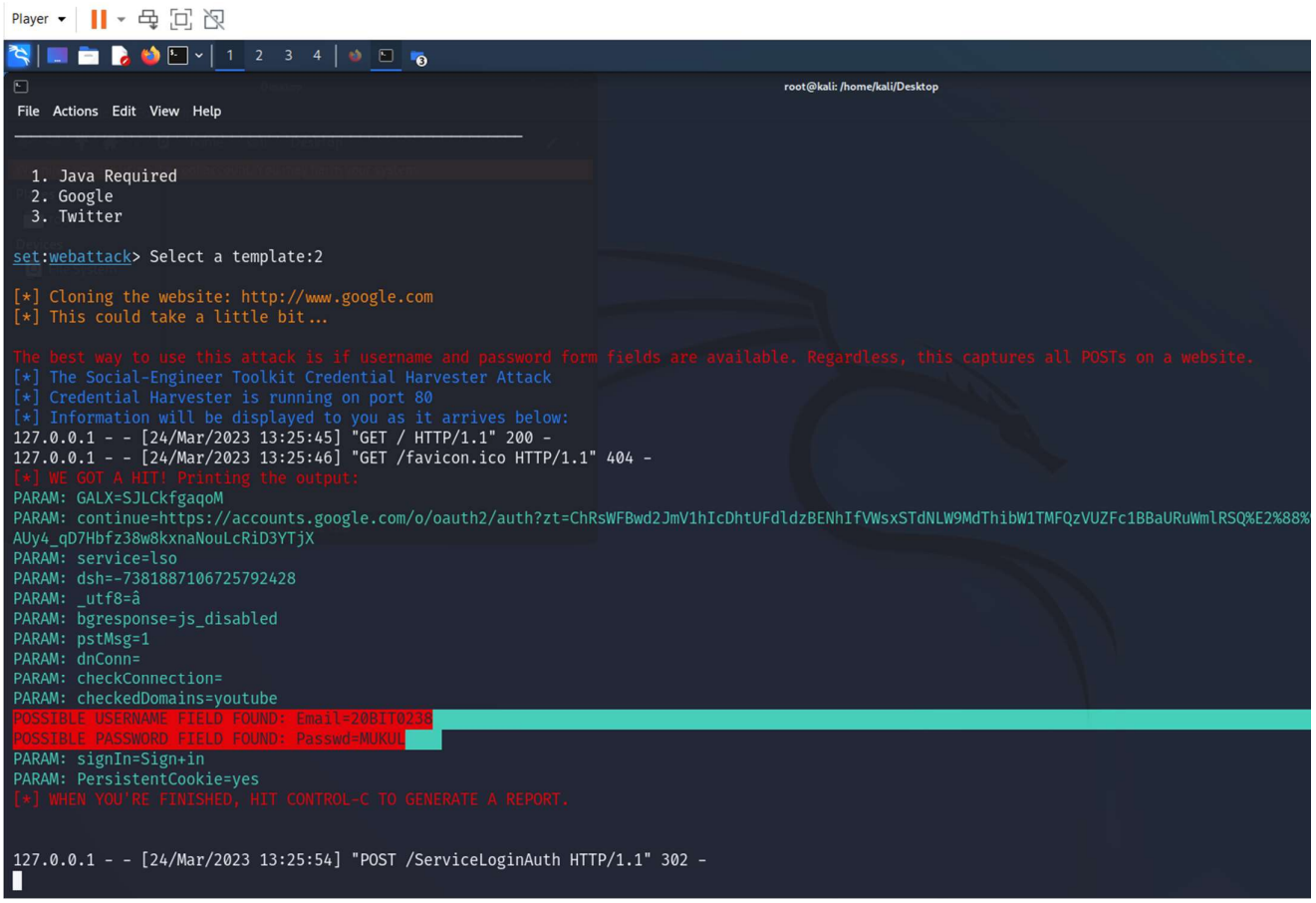

Player
1 2 3 4
root@kali: /home/kali/Desktop
File Actions Edit View Help
—— * IMPORTANT * READ THIS BEFORE ENTERING IN THE IP ADDRESS * IMPORTANT * ——
The way that this works is by cloning a site and looking for form fields to
rewrite. If the POST fields are not usual methods for posting forms this
could fail. If it does, you can always save the HTML, rewrite the forms to
be standard forms and use the "IMPORT" feature. Additionally, really
important:
If you are using an EXTERNAL IP ADDRESS, you need to place the EXTERNAL
IP address below, not your NAT address. Additionally, if you don't know
basic networking concepts, and you have a private IP address, you will
need to do port forwarding to your NAT IP address from your external IP
address. A browser doesn't know how to communicate with a private IP
address, so if you don't specify an external IP address if you are using
this from an external perpective, it will not work. This isn't a SET issue
this is how networking works.
set:webattack> IP address for the POST back in Harvester/Tabnabbing [192.168.42.130]:
**** Important Information ****
For templates, when a POST is initiated to harvest
credentials, you will need a site for it to redirect.
You can configure this option under:
/etc/setoolkit/set.config
Edit this file, and change HARVESTER_REDIRECT and
HARVESTER_URL to the sites you want to redirect to
after it is posted. If you do not set these, then
it will not redirect properly. This only goes for
templates.
1. Java Required
2. Google
3. Twitter
set:webattack> Select a template:2
kali@kali: ~
File Actions Edit View Help
(kali㉿kali)-[~]
$ 20BIT0238



VICTIM OPENING THE LINK AND ENTERING CREDENTIALS



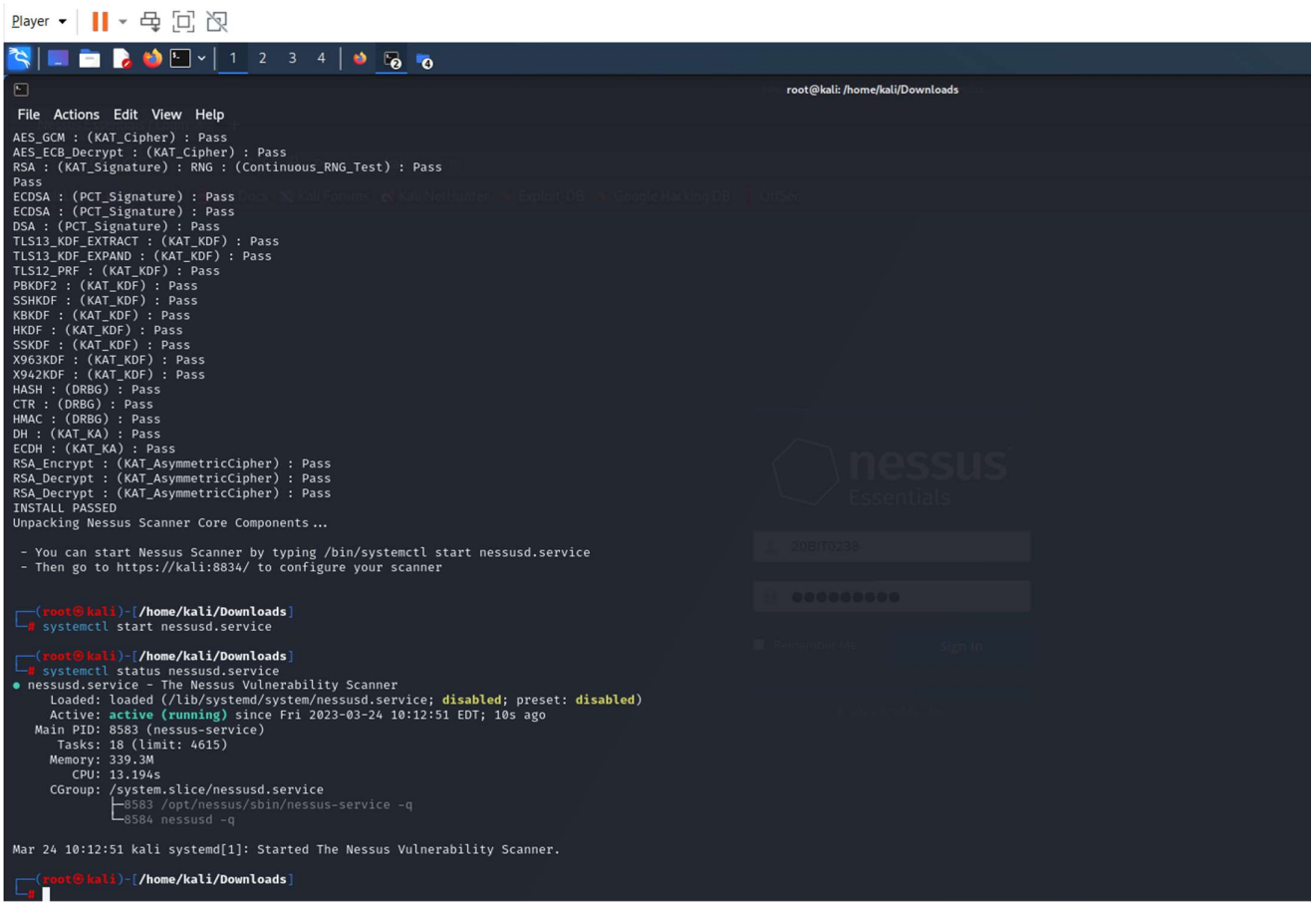
CREDENTIALS-CAPTURED SUCCESSFULLY

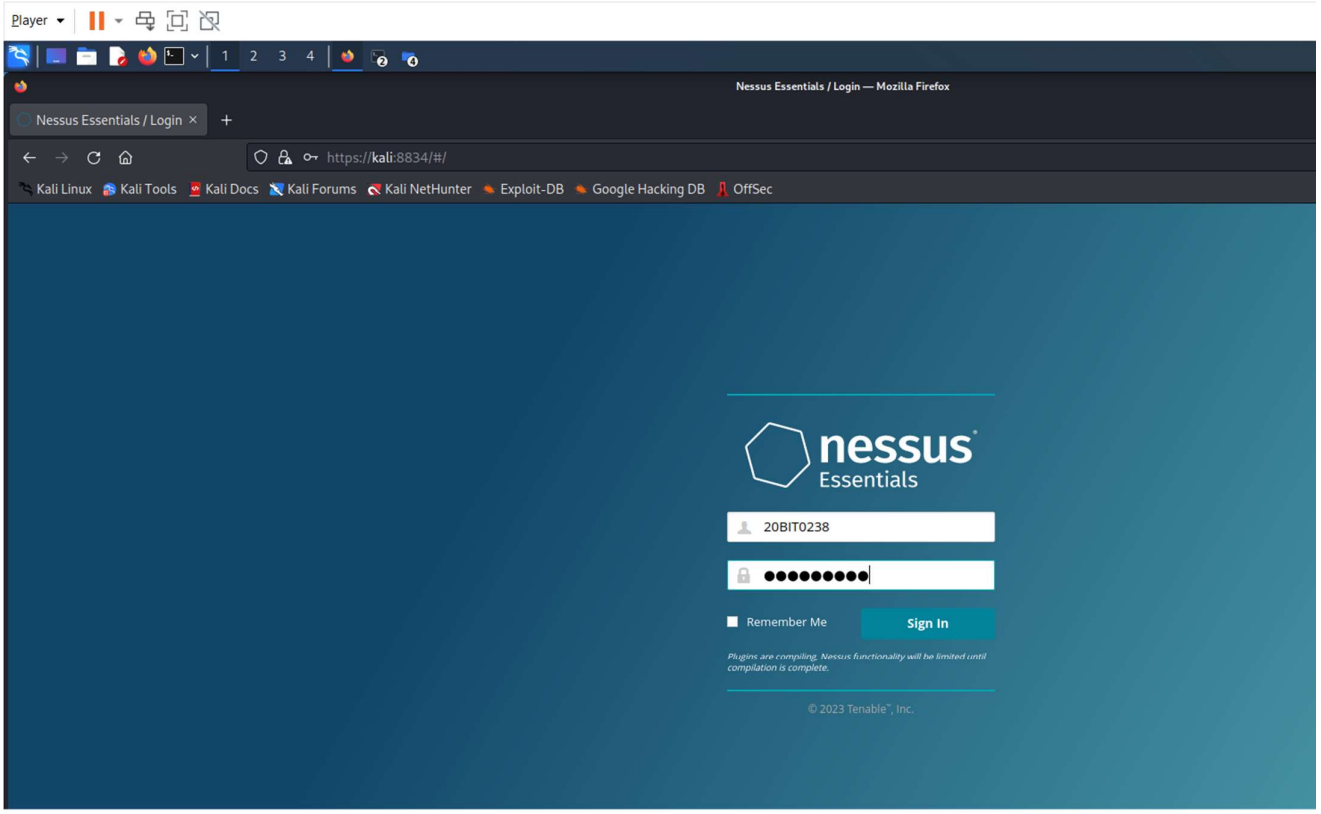


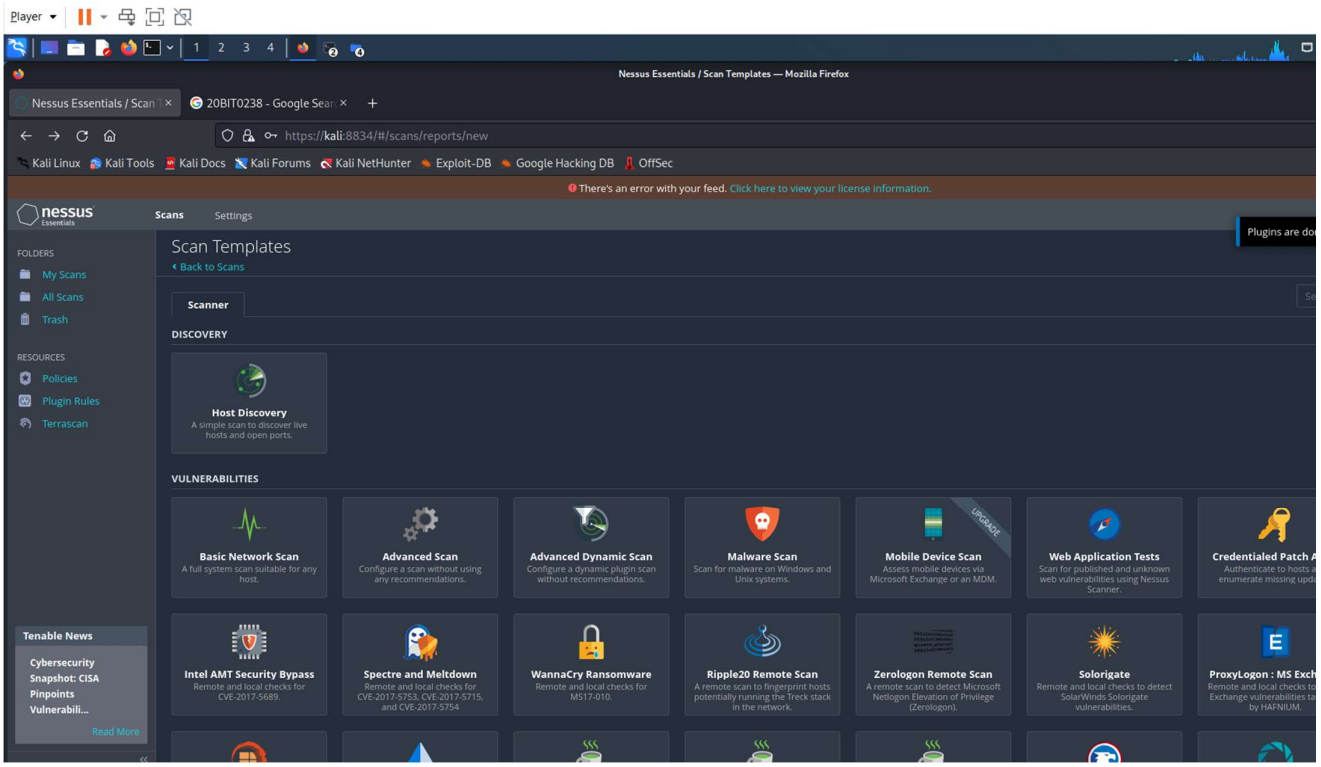
GOOGLE DRIVE LINK(setoolkit victim post details captured)

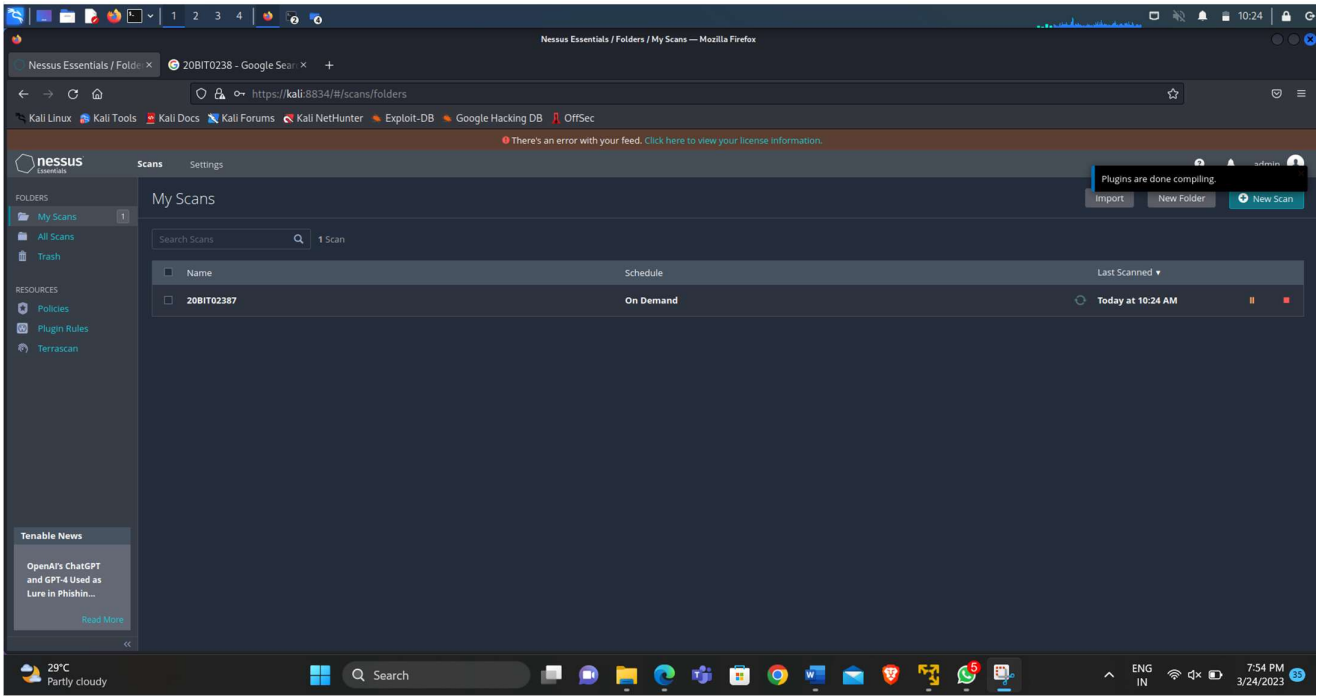
https://drive.google.com/drive/folders/1v39kBkcz81LjFIHG3iyKWUl_ZD42eG2J?usp=sharing

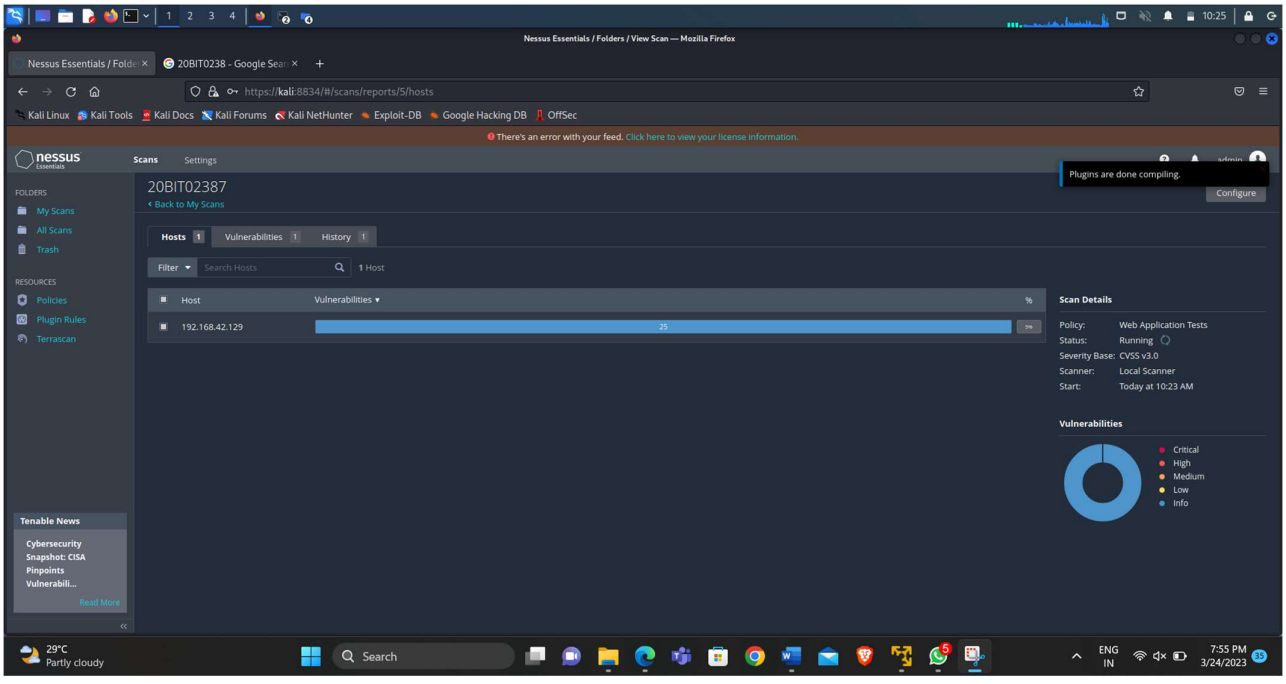
2. Perform a Web application scan using Nessus on metasploitable ip and identify the vulnerabilities. The login snapshot should be shared. Export the report in a pdf format and share it in the google drive. (Date of the scan should be 7-3-23). (6 marks).

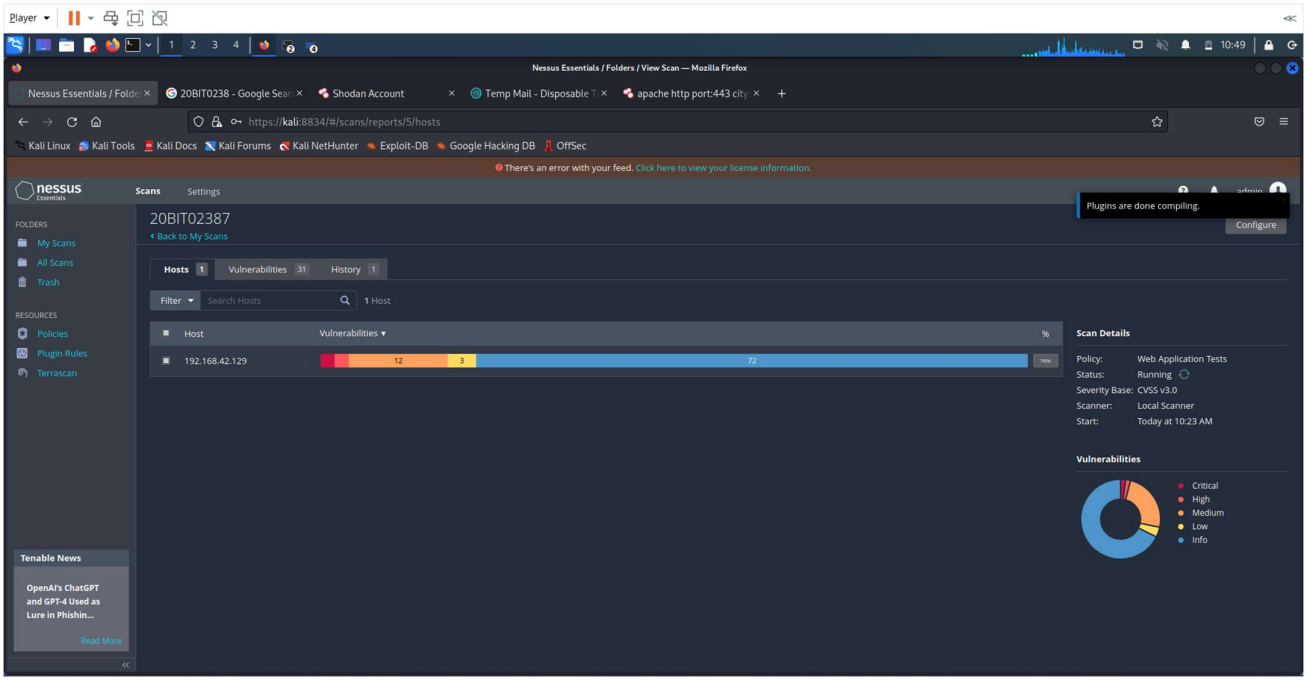



Player
Nessus Essentials / Login — Mozilla Firefox
Nessus Essentials / Login
https://kali:8834/#/
Kali Linux
Kali Tools
Kali Docs
Kali Forums
Kali NetHunter
Exploit-DB
Google Hacking DB
OffSec
nessus
Essentials
20BIT0238
Remember Me
Sign In
Plugins are compiling. Nessus functionality will be limited until compilation is complete.
© 2023 Tenable™, Inc.

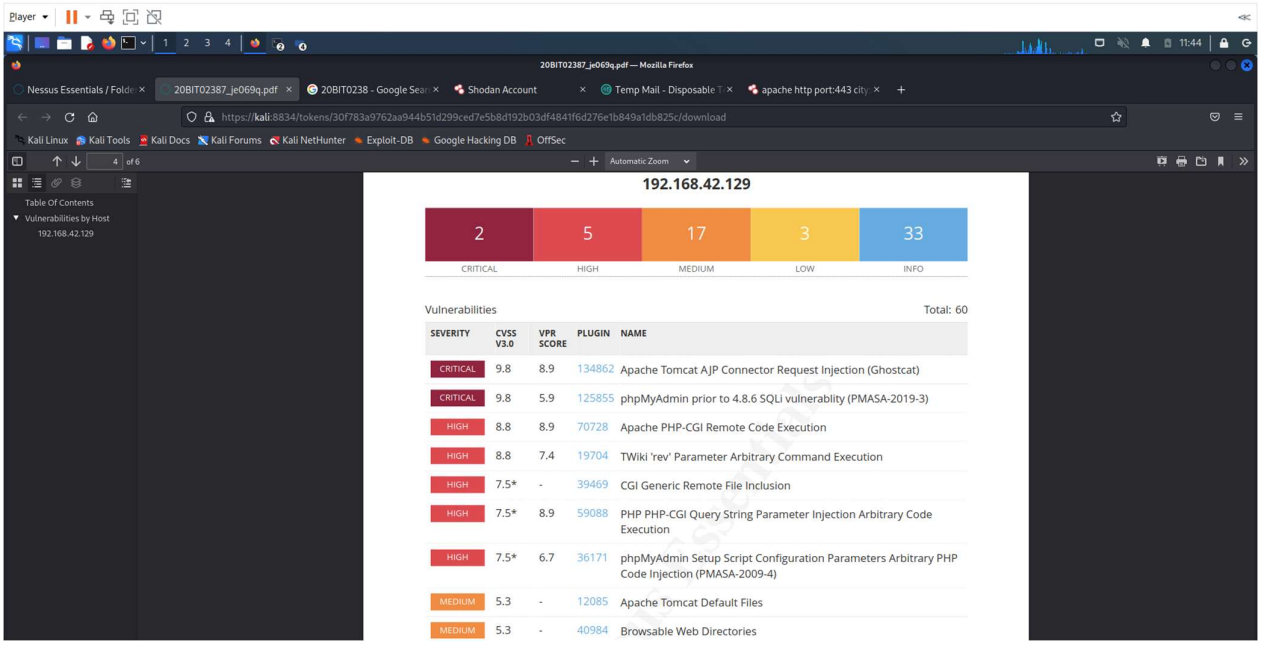

Player
Nessus Essentials / Scan Templates — Mozilla Firefox
Nessus Essentials / Scan
20BIT0238 - Google Sear
https://kali:8834/#/scans/reports/new
Kali Linux
Kali Tools
Kali Docs
Kali Forums
Kali NetHunter
Exploit-DB
Google Hacking DB
OffSec
There's an error with your feed. Click here to view your license information.
nessus
Essentials
Scans
Settings
FOLDERS
My Scans
All Scans
Trash
RESOURCES
Policies
Plugin Rules
Terrascan
Tenable News
Cybersecurity Snapshot: CISA Pinpoints Vulnerabili...
Read More
Scan Templates
Back to Scans
Scanner
DISCOVERY
Host Discovery
A simple scan to discover live hosts and open ports.
VULNERABILITIES
Basic Network Scan
A full system scan suitable for any host.
Advanced Scan
Configure a scan without using any recommendations.
Advanced Dynamic Scan
Configure a dynamic plugin scan without recommendations.
Malware Scan
Scan for malware on Windows and Unix systems.
Mobile Device Scan
Assess mobile devices via Microsoft Exchange or an MDM.
UPGRADE
Web Application Tests
Scan for published and unknown web vulnerabilities using Nessus Scanner.
Intel AMT Security Bypass
Remote and local checks for CVE-2017-5689.
Spectre and Meltdown
Remote and local checks for CVE-2017-5753, CVE-2017-5715, and CVE-2017-5754
WannaCry Ransomware
Remote and local checks for MS17-010.
Ripple20 Remote Scan
A remote scan to fingerprint hosts potentially running the Treck stack in the network.
Zerologon Remote Scan
A remote scan to detect Microsoft Netlogon Elevation of Privilege (Zerologon).
Solorigate
Remote and local checks to detect SolarWinds Solorigate vulnerabilities.


Nessus Essentials / Folders / My Scans — Mozilla Firefox
https://kali:8834/#/scans/folders
Kali Linux Kali Tools Kali Docs Kali Forums Kali NetHunter Exploit-DB Google Hacking DB OffSec
There's an error with your feed. Click here to view your license information.
Scans Settings
Plugins are done compiling.
FOLDERS
My Scans
All Scans
Trash
RESOURCES
Policies
Plugin Rules
Terrascan
My Scans
Import New Folder New Scan
Search Scans
1 Scan
Name Schedule Last Scanned
20BIT02387 On Demand Today at 10:24 AM
Tenable News
OpenAI's ChatGPT and GPT-4 Used as Lure in Phishin...
Read More
29°C Partly cloudy
Search
ENG IN
7:54 PM 3/24/2023


Nessus Essentials / Folders / View Scan — Mozilla Firefox
https://kali:8834/#/scans/reports/5/hosts
Kali Linux Kali Tools Kali Docs Kali Forums Kali NetHunter Exploit-DB Google Hacking DB OffSec
There's an error with your feed. Click here to view your license information.
Scans Settings
Plugins are done compiling.
20BIT02387
Back to My Scans
Configure
Hosts 1 Vulnerabilities 1 History 1
Filter Search Hosts 1 Host
Host Vulnerabilities %
192.168.42.129 25
Scan Details
Policy: Web Application Tests
Status: Running
Severity Base: CVSS v3.0
Scanner: Local Scanner
Start: Today at 10:23 AM
Vulnerabilities
Critical
High
Medium
Low
Info
Tenable News
Cybersecurity Snapshot: CISA Pinpoints Vulnerabili...
Read More
29°C Partly cloudy
Search
ENG IN
7:55 PM 3/24/2023



SCAN-RESULTS

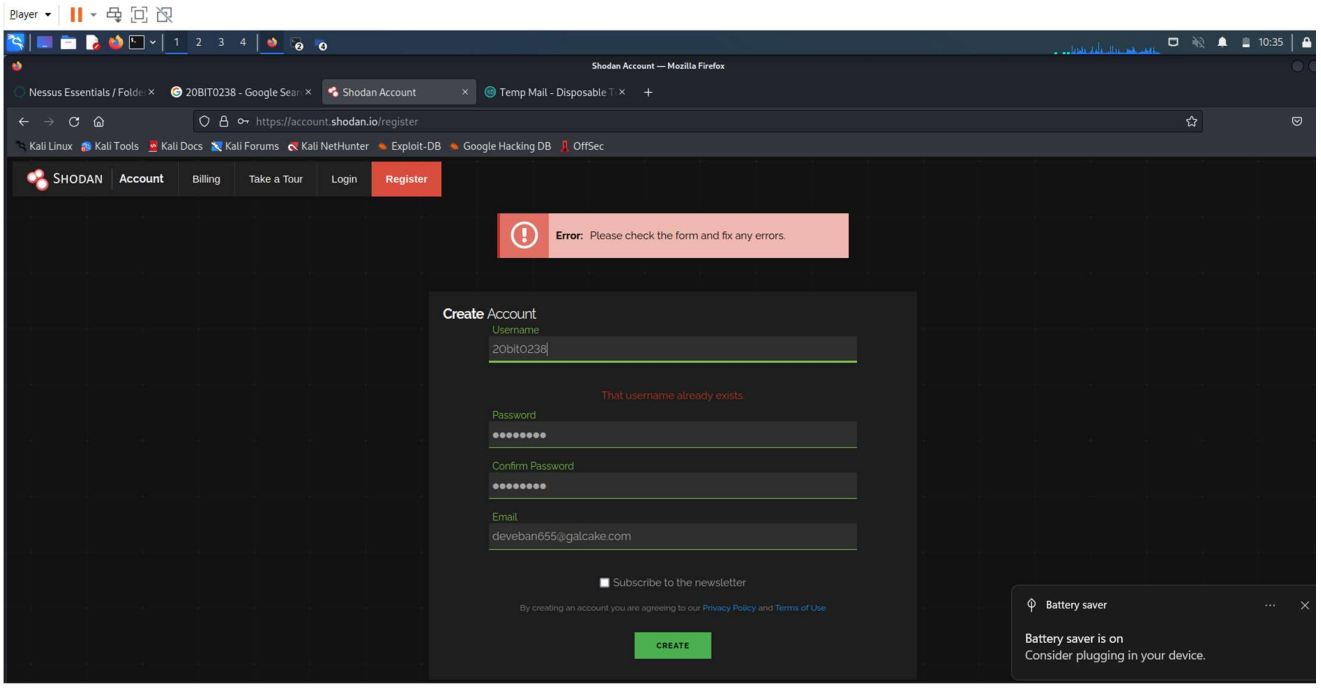


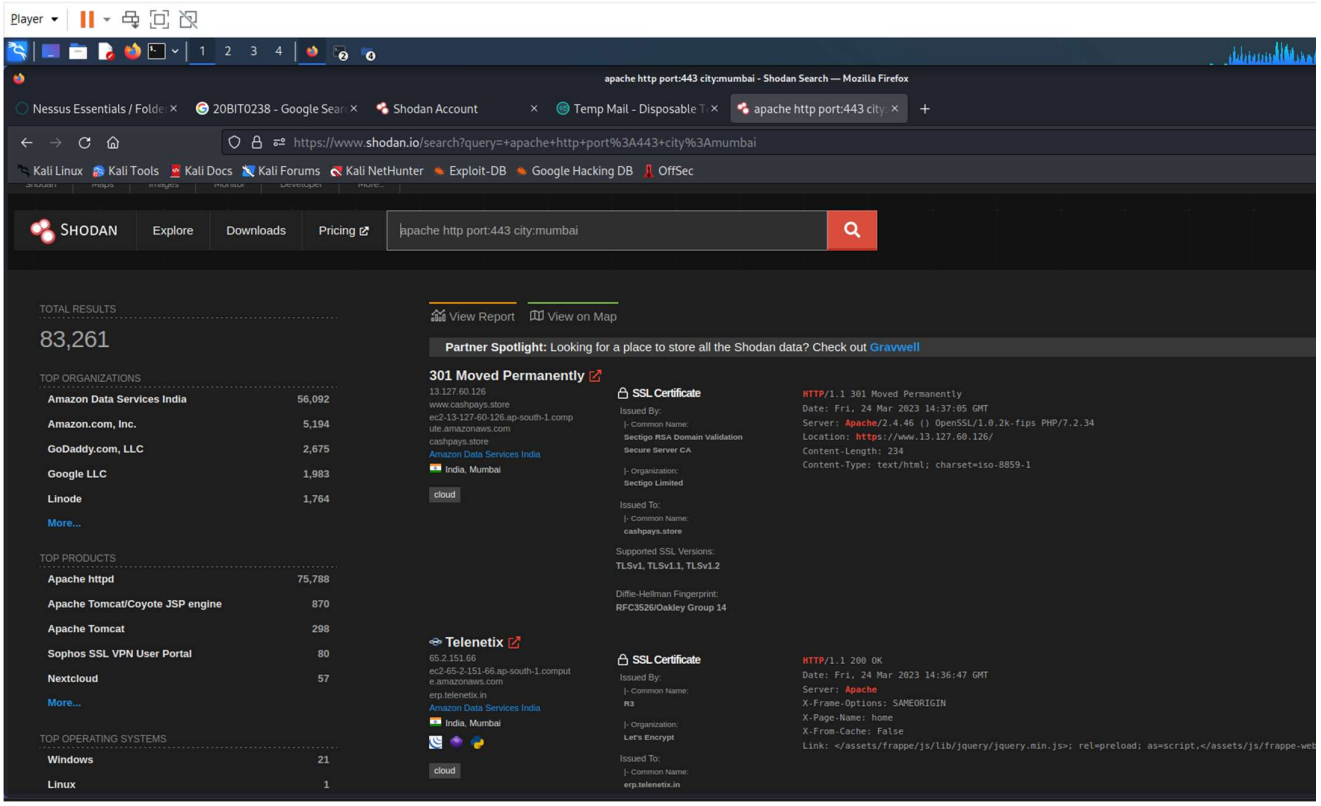
GOOGLE-DRIVE LINK (nessus scan results - exported pdf uploaded)

https://drive.google.com/drive/folders/1v39kBkcz81LjFIHG3iyKWUl_ZD42eG2J?usp=sharing

3. Perform a search on Shodan to identify the list of devices using Apache and http port:443 in your birth city. If your city is not listed, then select the nearest city. [3 marks]

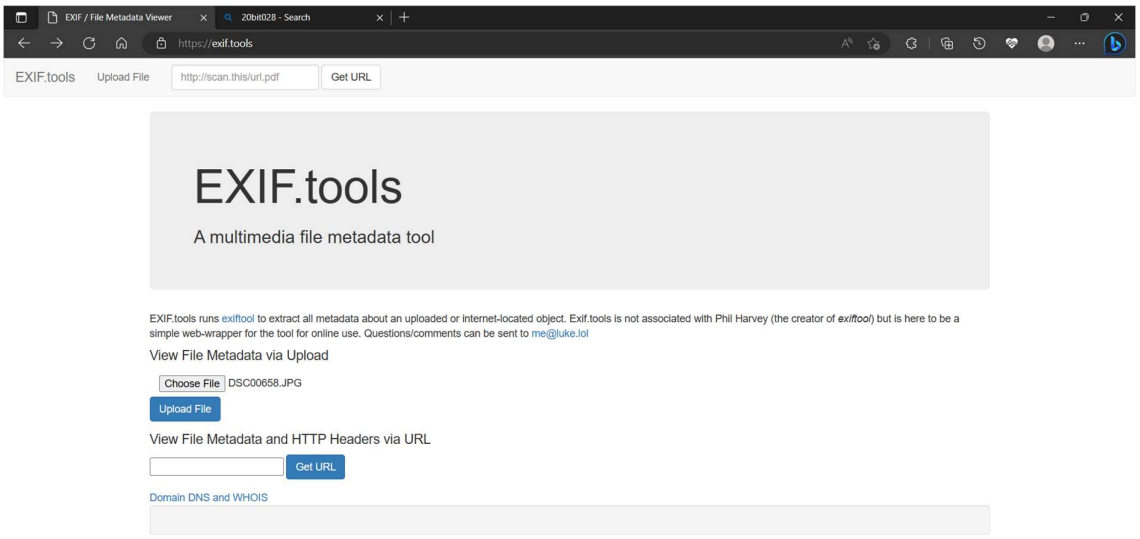
command: apache http port:443 city:mumbai

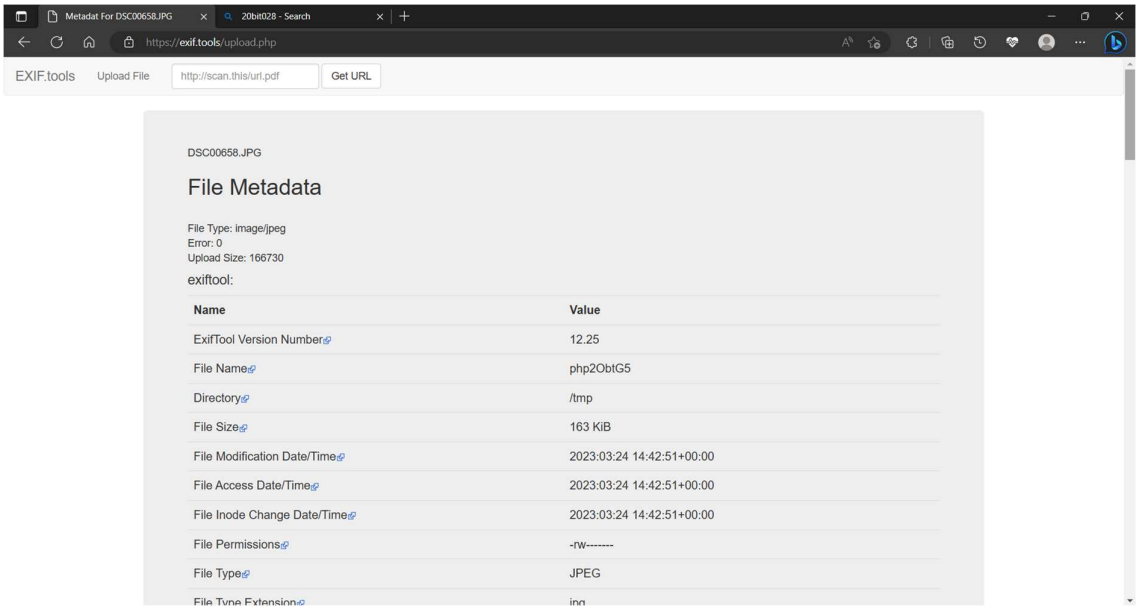


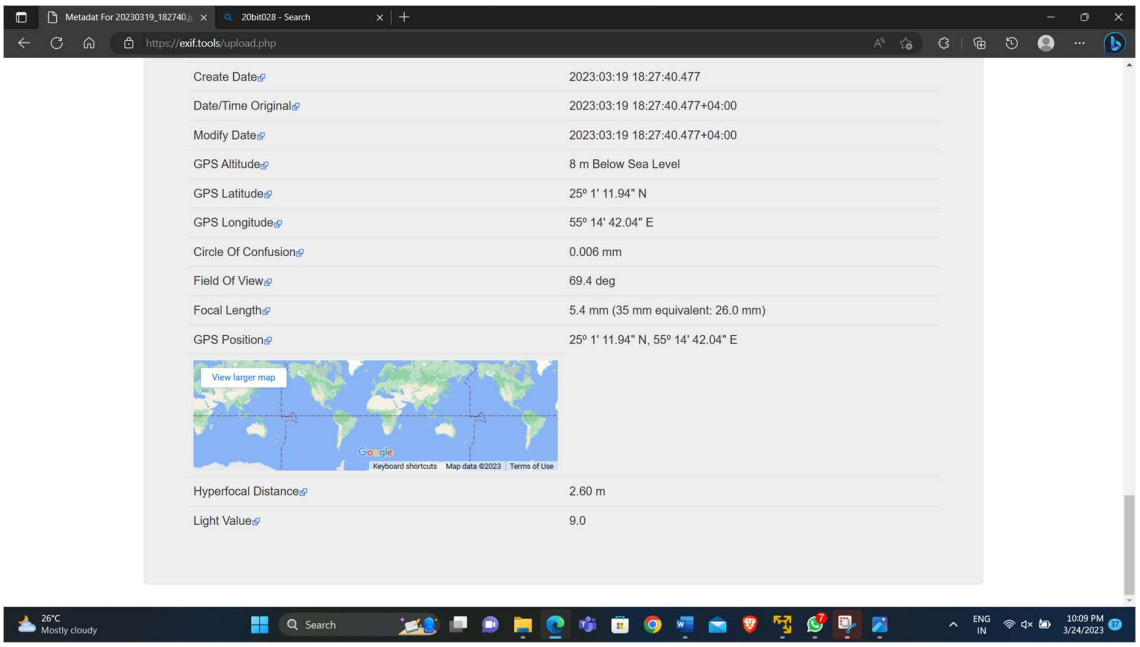


4. Perform an image forensics on exif.tools to gather meta data about the photo wherein you are present and provide information about the place, geo coordinates, date of photo captured etc. [2 marks]

Image




Metadat For DSC00658.JPG
20bit028 - Search
https://exif.tools/upload.php
EXIF.tools
Upload File
http://scan.this/url.pdf
Get URL
DSC00658.JPG
File Metadata
File Type: image/jpeg
Error: 0
Upload Size: 166730
exiftool:
Name
Value
ExifTool Version Number 12.25
File Name php2ObtG5
Directory /tmp
File Size 163 KiB
File Modification Date/Time 2023:03:24 14:42:51+00:00
File Access Date/Time 2023:03:24 14:42:51+00:00
File Inode Change Date/Time 2023:03:24 14:42:51+00:00
File Permissions -rw-------
File Type JPEG
File Type Extension jpg


Metadat For 20230319_182740.j
20bit028 - Search
https://exif.tools/upload.php
Create Date 2023:03:19 18:27:40.477
Date/Time Original 2023:03:19 18:27:40.477+04:00
Modify Date 2023:03:19 18:27:40.477+04:00
GPS Altitude 8 m Below Sea Level
GPS Latitude 25° 1' 11.94" N
GPS Longitude 55° 14' 42.04" E
Circle Of Confusion 0.006 mm
Field Of View 69.4 deg
Focal Length 5.4 mm (35 mm equivalent: 26.0 mm)
GPS Position 25° 1' 11.94" N, 55° 14' 42.04" E
View larger map
Google
Keyboard shortcuts
Map data ©2023
Terms of Use
Hyperfocal Distance 2.60 m
Light Value 9.0
26°C
Mostly cloudy
Search
ENG
IN
10:09 PM
3/24/2023