

## Lab 4 – OSRFramework



SCHOOL OF INFORMATION AND  
COMMUNICATIONS TECHNOLOGY

NAME – Student ID	COURSE CODE	WEIGHT
Ishan Aakash Patel - 146151238	CYT130	5%

Upon completion of this lab, I will be able to perform the following:

- Use Kali Linux Terminal Emulator and command line interface;
- Install applications using APT (Advanced Package Tool);
- Install OSRFramework;
- Use OSRFramework to perform OSINT (Open Source Intelligence) tasks;

### Lab Materials

- Kali Linux;

### Lab Instructions

- Start Kali Linux VM;
- Open Terminal Emulator;
- Use CLI (Command-line interface) to install ethical hacking tools;
- Enter your name and student ID above (Example: Boris Loza - bloza);
- Answer questions and add screenshots into the corresponding textboxes;
- Save the file on your computer for future reference;
- Save the file again as a “.pdf” file;
- Submit the PDF file for grading.

**Please note:** All screenshots must capture your name and student ID. Otherwise, not acceptable.

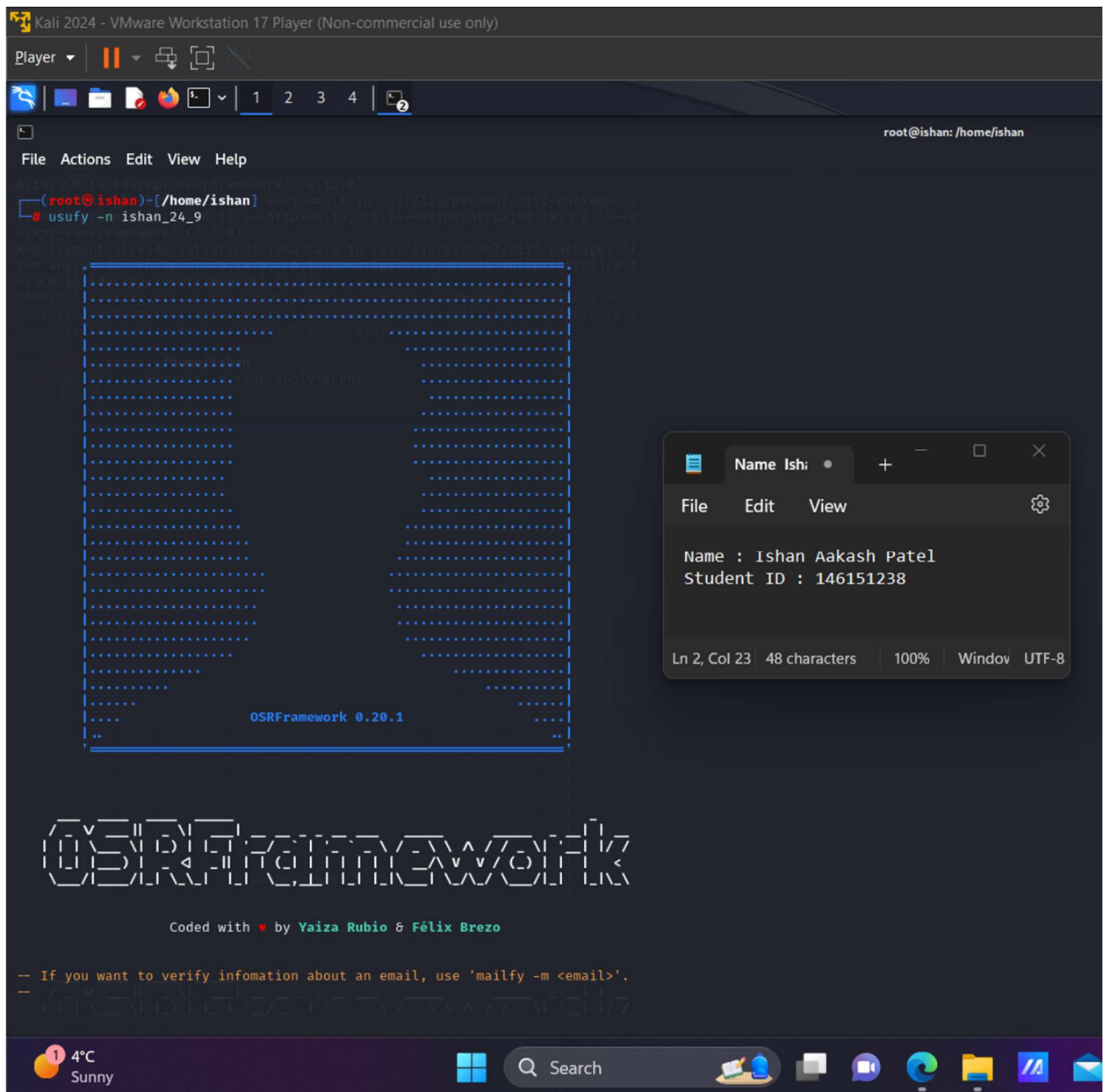
## Working with OSRFramework

After completing the installation of OSRFramework, run the framework and type:

```
usufy -n <your_username>
```

**For example**, typing “*usufy -n borisloza*” will produce the following output:

1. Take a screenshot of *usufy* command output, using **your own name** (Host + e) and insert it below.



```
Kali 2024 - VMware Workstation 17 Player (Non-commercial use only)
Player
File Actions Edit View Help
root@ishan: /home/ishan

(root@ishan)-[/home/ishan]
# usufy -n ishan_24_9

OSRFramework 0.20.1

OSRFramework

Coded with ♥ by Yaiza Rubio & Félix Brezo

-- If you want to verify infomation about an email, use 'mailfy -m <email>'.
--
```

Name Ish: • + - □ ×

File Edit View ⚙

Name : Ishan Aakash Patel  
Student ID : 146151238

Ln 2, Col 23 48 characters 100% Window UTF-8

1 4°C Sunny

Search

## Output :

Kali 2024 - VMware Workstation 17 Player (Non-commercial use only)

Player

root@ishan: /home/ishan

```
File Actions Edit View Help
+-----+
| http://www.freerepublic.com/~ishan_24_9 | /usr/lib/python3/dist-packages |
| ishan_24_9 | Freerepublic |
+-----+
| http://hubpages.com/@ishan_24_9 | ipx8:19; 2.0.14~https[http2]ca |
| ishan_24_9 | Hubpages | really can broken permissions and |
+-----+
| https://ifunny.co/ishan_24_9 | 0 python/learn/python |
| ishan_24_9 | IFunny |
+-----+
| https://www.freelancer.com/u/ishan_24_9 |
| ishan_24_9 | Freelancer |
+-----+
| http://www.instagram.com/ishan_24_9 |
| ishan_24_9 | Instagram |
+-----+
| https://www.kickstarter.com/profile/ishan_24_9 |
| ishan_24_9 | Kickstarter |
+-----+
| http://kupika.com/ishan_24_9 |
| ishan_24_9 | Kupika |
+-----+
| https://medium.com/@ishan_24_9 |
| ishan_24_9 | Medium |
+-----+
| https://mastodon.xyz/@ishan_24_9 |
| ishan_24_9 | MastodonXyz |
+-----+
| https://developer.mozilla.org/es/docs/user:ishan_24_9 |
| ishan_24_9 | Mozilla |
+-----+
| http://www.myfitnesspal.com/user/ishan_24_9/profile/ishan_24_9 |
| ishan_24_9 | MyFitnessPal |
+-----+
| http://www.mename.net/user/ishan_24_9 |
| ishan_24_9 | Mename |
+-----+
| http://www.netvibes.com/ishan_24_9 |
| ishan_24_9 | Netvibes |
```

Name : Ishan Aakash Patel  
Student ID : 146151238

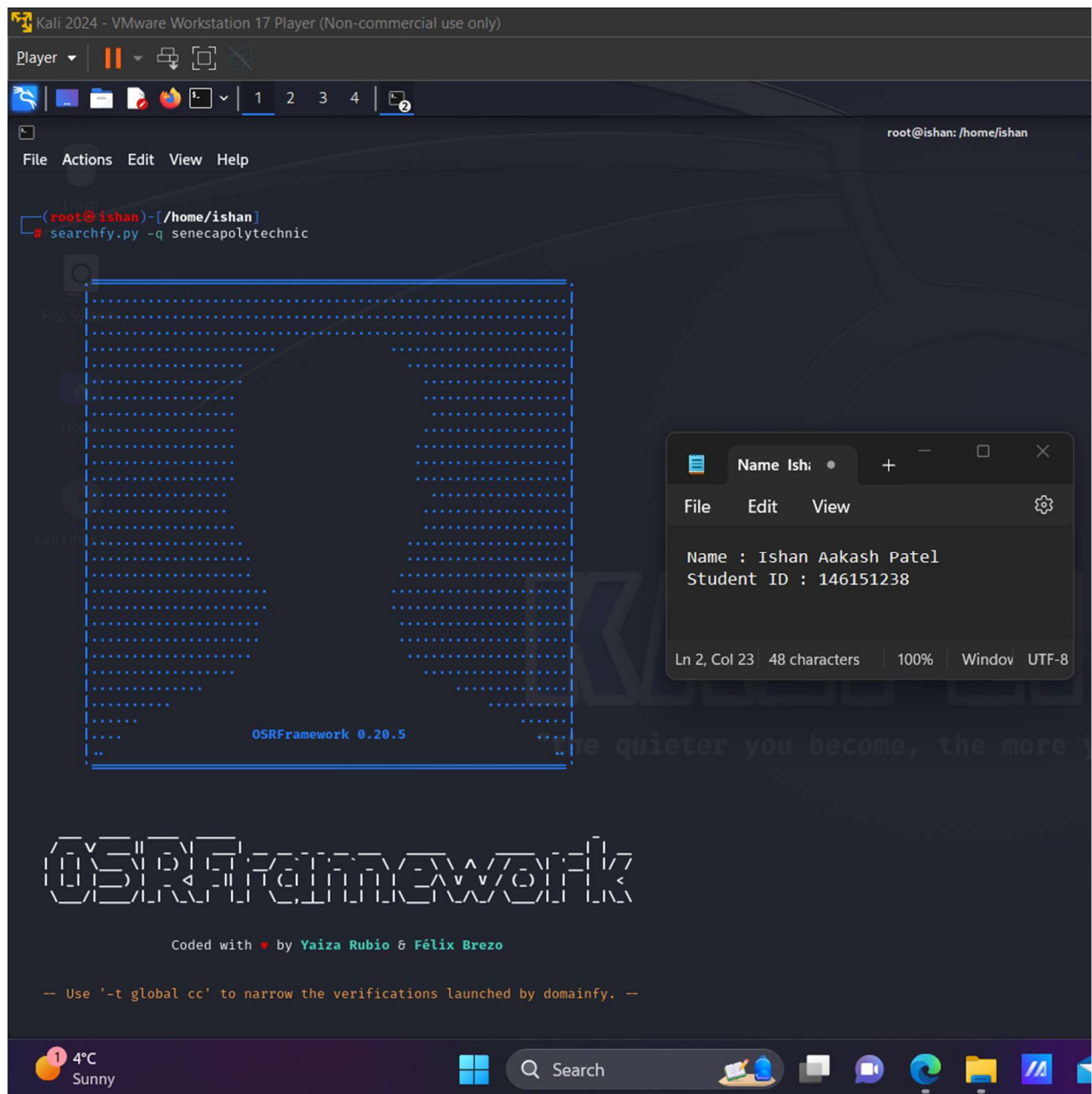
Ln 2, Col 23 48 characters 100% Window UTF-8

4°C Sunny

Search

2. *searchfy*: Search for the keyword in Facebook, GitHub, Instagram, Twitter, and YouTube.

`$ searchfy -q "senecacollege"`



## Output :

```
are welcome to redistribute it under certain conditions. For additional info,
visit <https://www.gnu.org/licenses/agpl-3.0.txt>.

2024-02-04 15:26:11.198748 Starting search in different platform(s)... Relax!

Press <Ctrl + C> to stop ...

[*] Launching search using the Github module ...
[*] Launching search using the Instagram module ...
[*] Launching search using the KeyServerUbuntu module ...

2024-02-04 15:26:16.384439 Results obtained:

+-----+
| No data found ... |
+-----+

2024-02-04 15:26:16.386949 You can find all the information collected in
the following files:
./profiles.csv

2024-02-04 15:26:16.388371 Finishing execution ...

Total time used: 0:00:05.189623
Average seconds/query: 5.189623 seconds

Did something go wrong? Is a platform reporting false positives? Do you need
to
integrate a new one and you don't know how to start? Then, you can always pla
ce
an issue in the Github project:
https://github.com/i3visio/osrframework/issues
Note that otherwise, we won't know about it!

(root@ishan)-[/home/ishan]
# searchfy.py -q hacker123
```

Name Ishi

File Edit View

Name : Ishan Aakash Patel  
Student ID : 146151238

Ln 2, Col 23 48 characters 100% Window UTF-8

```
[*] Launching search using the Instagram module ...
[*] Launching search using the KeyServerUbuntu module ...

2024-02-04 15:27:10.266781 Results obtained:

Sheet Name: Objects recovered (2024-2-4_15h27m).
+-----+
+-----+
| com.i3visio.Platform | com.i3visio.Email |
| com.i3visio.URI | com.i3visio.Alias | com.i3visio.Domain |
+-----+
+-----+
| KeyServerUbuntu | 1999001@gmail.com | https://keyserver.ubuntu.com/p
ks/lookup?fingerprint=on&op=index&search=1999001@gmail.com | 1999001
| gmail.com |
+-----+
+-----+
| KeyServerUbuntu | hacker123@gmail.com | https://keyserver.ubuntu.com/p
ks/lookup?fingerprint=on&op=index&search=hacker123@gmail.com | hacker123
| gmail.com |
+-----+
+-----+

2024-02-04 15:27:10.343300 You can find all the information collected in
the following files:
./profiles.csv

2024-02-04 15:27:10.343872 Finishing execution ...

Total time used: 0:00:04.903587
Average seconds/query: 4.903587 seconds
```

Name Ishi

File Edit View

Name : Ishan Aakash Patel  
Student ID : 146151238

Ln 2, Col 23 48 characters 100% Window UTF-8

3. In your own words, why is OSINT useful?

Open Source Intelligence, or OSINT, is helpful in that it collects data from publicly accessible sources to provide a deeper understanding of an individual, group, or circumstance. To obtain insights, it involves assessing data from sources including websites, social media accounts, and public records. Because OSINT offers a more comprehensive and knowledgeable perspective on the topic of interest, it can be useful for a variety of tasks, including security, investigations, and decision-making.

4. Answer the following question:



**What does the *usufy* command do in OSRFramework?**

Usufy command in OSRFramework checks for a user profile in up to 290 different platforms.

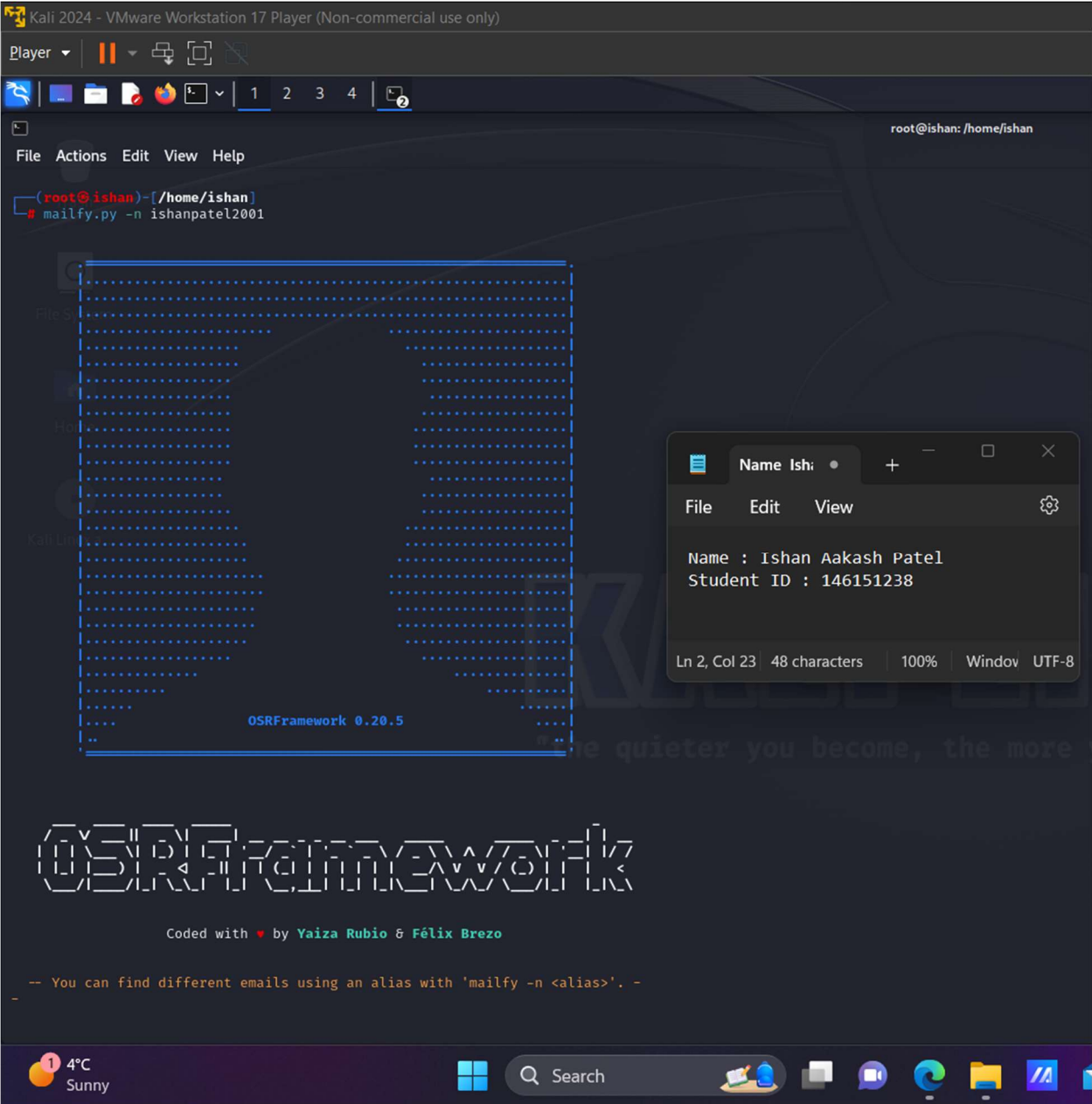
Try other commands:

*mailfy*: Identify the keyword and add the email domains to the end of the keyword,

*and automatically search in haveibeenpawnd.com with an API call:*

*mailfy -n <your\_name>* (e.g. *mailfy -n johndaw*)





## Output :

Kali 2024 - VMware Workstation 17 Player (Non-commercial use only)

Player | [Icons] | 1 2 3 4 | [Icon]

root@ishan: /home/ishan

File Actions Edit View Help

visit <<https://www.gnu.org/licenses/agpl-3.0.txt>>.

2024-02-04 14:31:37.687369 Step 1/3. Checking if the emails have been used to register accounts in 5 platforms ...

```
[
  "Infojobs",
  "Instagram",
  "KeyServerUbuntu",
  "OkCupid",
  "Twitter"
]
```

Press <Ctrl + C> to skip this step ...

[\*] Starting the research of 40 email(s) in 5 platform(s)... This may take a while.

```
[*] 1/40 Checking 'ishanpatel2001@inbox.com' ...
[*] 2/40 Checking 'ishanpatel2001@protonmail.ch' ...
[*] 3/40 Checking 'ishanpatel2001@hotmail.com' ...
[*] 4/40 Checking 'ishanpatel2001@latinmail.com' ...
[*] 5/40 Checking 'ishanpatel2001@rambler.ru' ...
[*] 6/40 Checking 'ishanpatel2001@outlook.com' ...
[*] 7/40 Checking 'ishanpatel2001@yeah.net' ...
[*] 8/40 Checking 'ishanpatel2001@breakthru.com' ...
[*] 9/40 Checking 'ishanpatel2001@tuta.io' ...
[*] 10/40 Checking 'ishanpatel2001@lycos.com' ...
[*] 11/40 Checking 'ishanpatel2001@tutanota.de' ...
[*] 12/40 Checking 'ishanpatel2001@tutamail.com' ...
[*] 13/40 Checking 'ishanpatel2001@btinternet.com' ...
[*] 14/40 Checking 'ishanpatel2001@gmx.com' ...
[*] 15/40 Checking 'ishanpatel2001@me.com' ...
[*] 16/40 Checking 'ishanpatel2001@yandex.ru' ...
[*] 17/40 Checking 'ishanpatel2001@libero.it' ...
```

Name Ishi

File Edit View

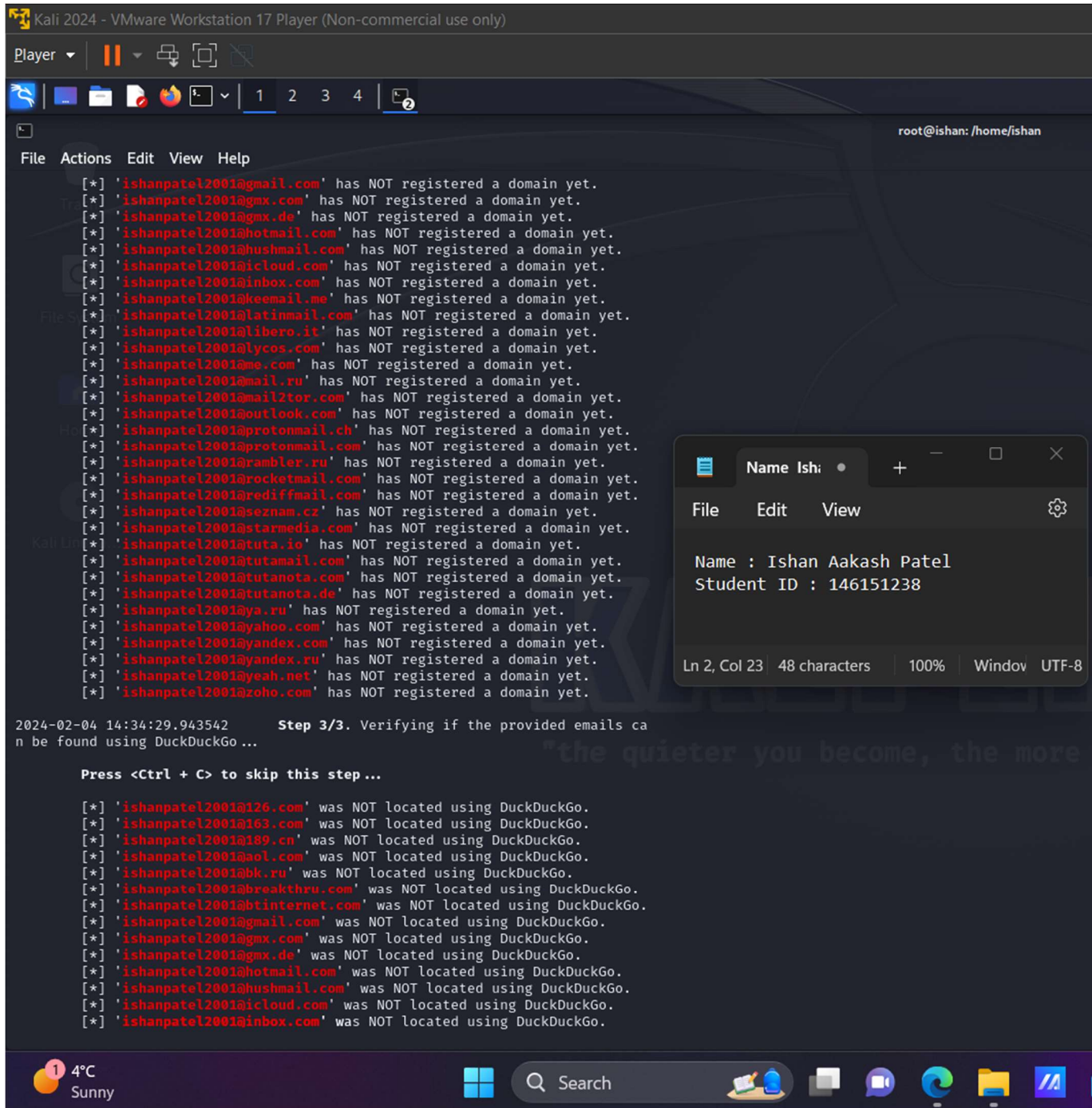
Name : Ishan Aakash Patel  
Student ID : 146151238

Ln 2, Col 23 48 characters 100% Window UTF-8

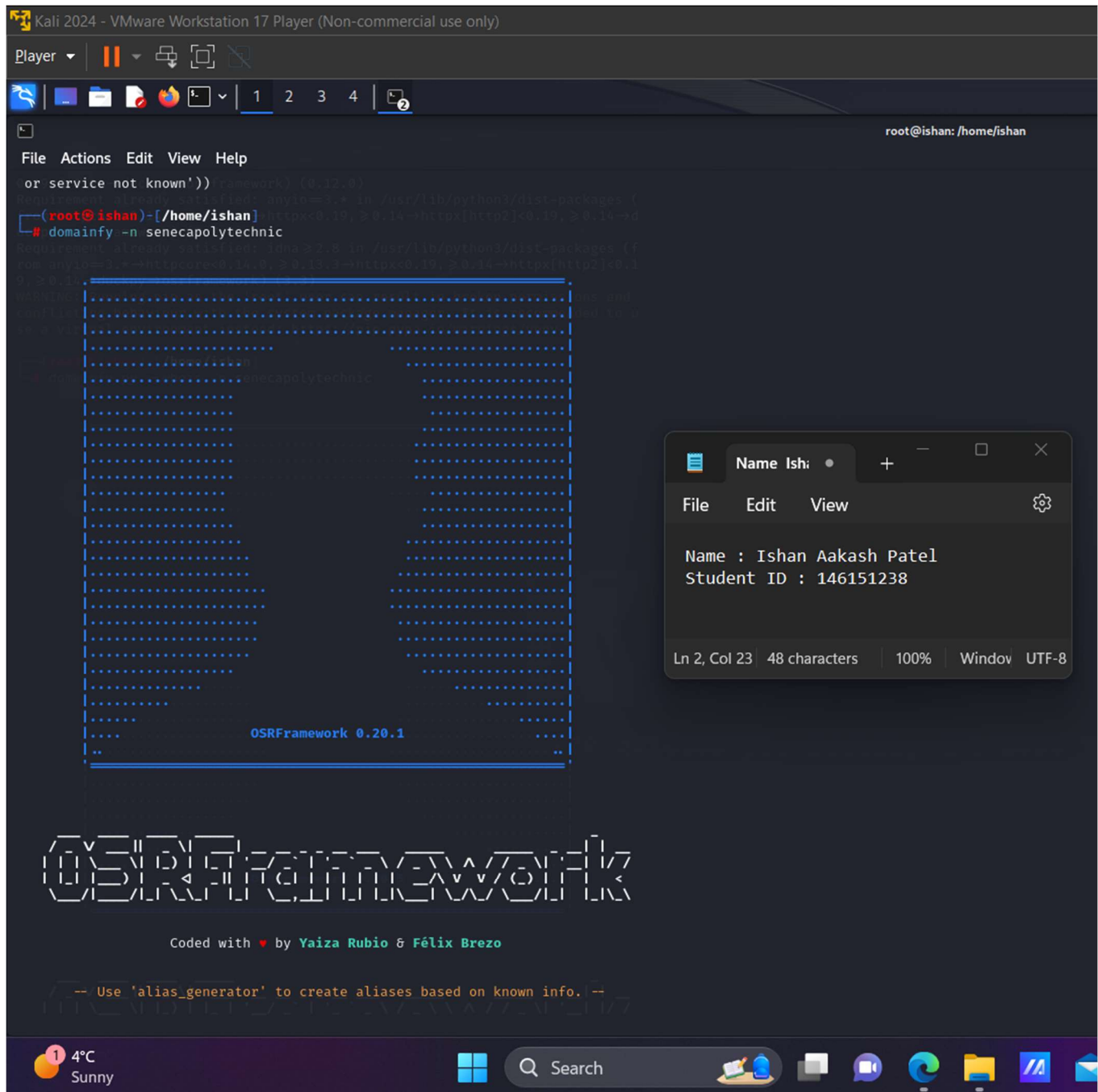
4°C Sunny

Search





## Command - domainfy -n senecacollege



The image shows a Kali Linux terminal window running the i3visio tool. The terminal output includes a copyright notice for Yaiza Rubio & Félix Brezo (i3visio) 2014-2020, a list of recovered objects (domains and IP addresses), and a Windows File Explorer window in the foreground showing the contents of a folder named 'Name Ishi', which contains a text file with the name 'Ishan Aakash Patel' and student ID '146151238'.

## Command – domainfy.py --whois -n senecapolytechnic

```
Kali 2024 - VMware Workstation 17 Player (Non-commercial use only)
Player
File Actions Edit View Help
se a virtual environment instead: https://pip.pypa.io/warnings/venv
(root@ishan)-[/home/ishan]
# domainfy.py --whois -n senecapolytechnic

Name Ishi
+ - □ ×
File Edit View ⚙️
Name : Ishan Aakash Patel
Student ID : 146151238
Ln 2, Col 23 48 characters 100% Window UTF-8

OSRFramework 0.20.5
Coded with ♥ by Yaiza Rubio & Félix Brezo
-- Hey! '--help' is your friend, pal! --
```



Kali 2024 - VMware Workstation 17 Player (Non-commercial use only)

Player ▾ | [Icons] | 1 2 3 4 | [Icon]

root@ishan: /home/ishan

File Actions Edit View Help

Press <Ctrl + C> to stop...

```
[i] Running whois for 'senecapolytechnic.net' ... [i] Running whois for 'seneca
polytechnic.edu' ... [i] Running whois for 'senecapolytechnic.arpa' ... [i] Runni
ng whois for 'senecapolytechnic.gov' ... [i] Running whois for 'senecapolytechn
ic.org' ... [i] Running whois for 'senecapolytechnic.int' ... [i] Running whois f
or 'senecapolytechnic.com' ... [i] Running whois for 'senecapolytechnic.mil' ...
```

File System

```
[!] Something happened when running whois of 'senecapolytechnic.edu'.
[!] Something happened when running whois of 'senecapolytechnic.int'.
[!] Something happened when running whois of 'senecapolytechnic.gov'.
[!] Something happened when running whois of 'senecapolytechnic.arpa'.
Error trying to connect to socket: closing socket - [Errno -2] Name or servic
e not known
[!] Something happened when running whois of 'senecapolytechnic.mil'.
[i] Whois data retrieved from 'senecapolytechnic.org'.
[i] Whois data retrieved from 'senecapolytechnic.net'. [i] Whois data retrieve
d from 'senecapolytechnic.com'.
```

2024-02-04 14:29:48.425720 3 results obtained:

Sheet Name: Objects recovered (2024-2-4\_14h29m).

com.i3visio.Alias	com.i3visio.Email	com.i3visio.Domain	com.i3visio.IPv4
senecapolytechnic	["abuse@easydns.com"]	senecapolytechnic.org	N/A
senecapolytechnic	["abuse@easydns.com"]	senecapolytechnic.net	N/A
senecapolytechnic	["abuse@easydns.com"]	senecapolytechnic.com	142.204.250.161

2024-02-04 14:29:48.471122 You can find all the information collected in the following files:

./profiles.csv

Windows taskbar: 1 4°C Sunny, Search, [Icons]

Sheet Name: Objects recovered (2024-2-4\_14h29m).

```

+-----+-----+-----+-----+
| com.i3visio.Alias | com.i3visio.Email | com.i3visio.Domain | com.i3visio.IPv4 |
+-----+-----+-----+-----+
| senecapolytechnic | ["abuse@easydns.com"] | senecapolytechnic.org | N/A |
+-----+-----+-----+-----+
| senecapolytechnic | ["abuse@easydns.com"] | senecapolytechnic.net | N/A |
+-----+-----+-----+-----+
| senecapolytechnic | ["abuse@easydns.com"] | senecapolytechnic.com | 142.204.250.161 |
+-----+-----+-----+-----+

```

```
2024-02-04 14:29:48.471122      You can find all the information collected in
the following files:
    ./profiles.csv
```

**Command – phonefy -n <your phone number>**

```
(root@ishan)-[/home/ishan]
# phonefy.py -n 4379333357
```

File Edit View Help

Ln 2, Col 23 48 characters 100% Window UTF-8

Name : Ishan Aakash Patel  
Student ID : 146151238

OSRFramework 0.20.5

OSRFramework

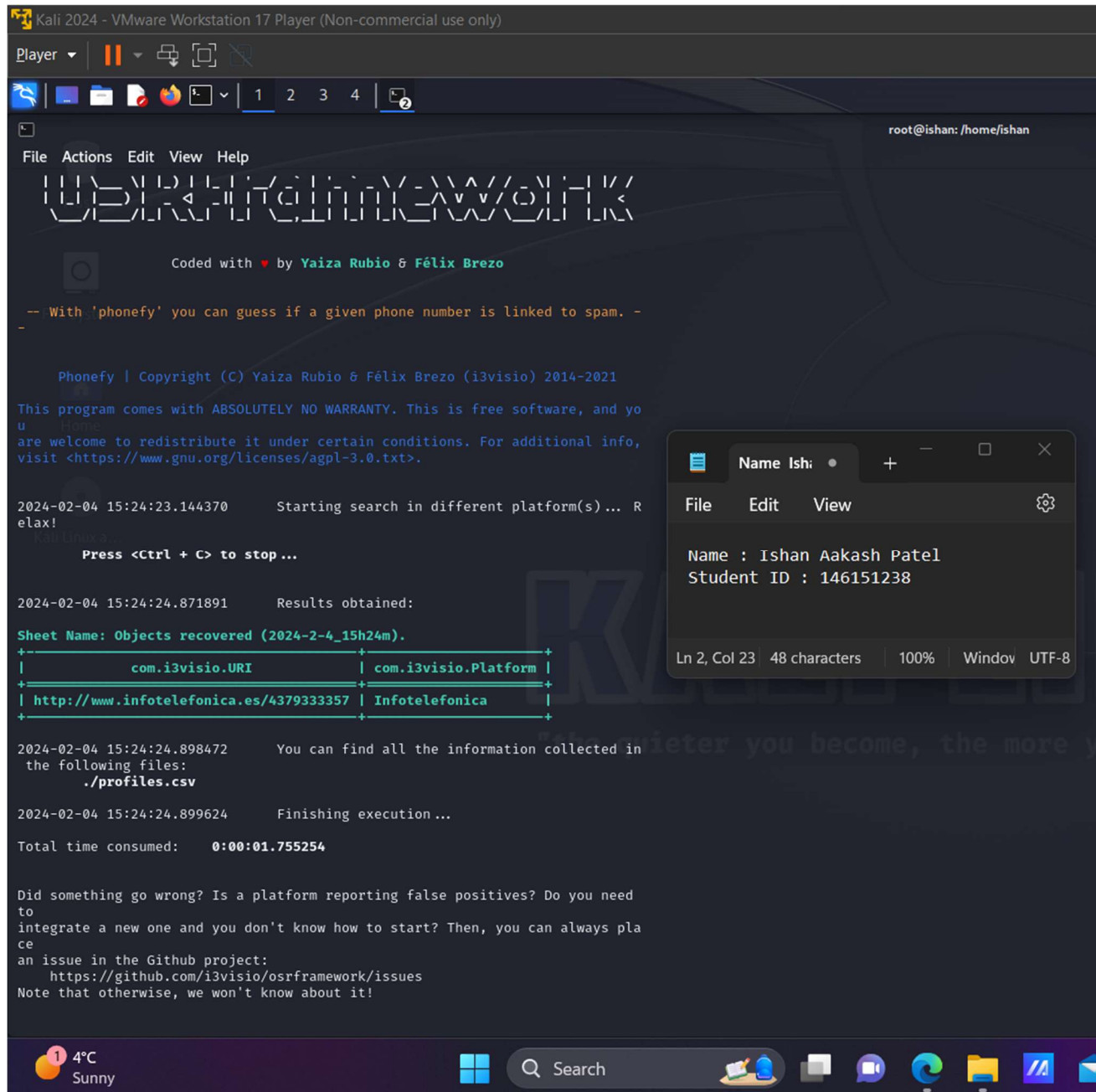
Coded with ❤ by Yaiza Rubio & Félix Brezo

-- With 'phonefy' you can guess if a given phone number is linked to spam. --

4°C Sunny



## Output :



```
Kali 2024 - VMware Workstation 17 Player (Non-commercial use only)

Player | [Icons] | 1 2 3 4 | [Icon]

root@ishan: /home/ishan

File Actions Edit View Help

URK...

Coded with ♥ by Yaiza Rubio & Félix Brezo

-- With 'phoneyfy' you can guess if a given phone number is linked to spam. --

Phoneyfy | Copyright (C) Yaiza Rubio & Félix Brezo (i3visio) 2014-2021

This program comes with ABSOLUTELY NO WARRANTY. This is free software, and you
are welcome to redistribute it under certain conditions. For additional info,
visit <https://www.gnu.org/licenses/agpl-3.0.txt>.

2024-02-04 15:24:23.144370 Starting search in different platform(s)... Relax!
Press <Ctrl + C> to stop...

2024-02-04 15:24:24.871891 Results obtained:

Sheet Name: Objects recovered (2024-2-4_15h24m).
+-----+-----+
| com.i3visio.URI | com.i3visio.Platform |
+-----+-----+
| http://www.infotelefonica.es/4379333357 | Infotelefonica |
+-----+-----+

2024-02-04 15:24:24.898472 You can find all the information collected in
the following files:
./profiles.csv

2024-02-04 15:24:24.899624 Finishing execution...

Total time consumed: 0:00:01.755254

Did something go wrong? Is a platform reporting false positives? Do you need
to integrate a new one and you don't know how to start? Then, you can always pla
ce
an issue in the Github project:
https://github.com/i3visio/osrframework/issues
Note that otherwise, we won't know about it!

1 4°C Sunny
[Icons]
```

Name Ishi

File Edit View

Name : Ishan Aakash Patel  
Student ID : 146151238

Ln 2, Col 23 48 characters 100% Window UTF-8

5. answer the following question:



**What does the *domainfy* command do in OSRFramework?**

domainfy.py – Checks for the existence of domains

Submit your Lab



- **Doublecheck all your answers.**
- **Save the file on your computer for future reference.**
- **Save the file again as a “.pdf” file.**
- **Submit the PDF file for grading.**