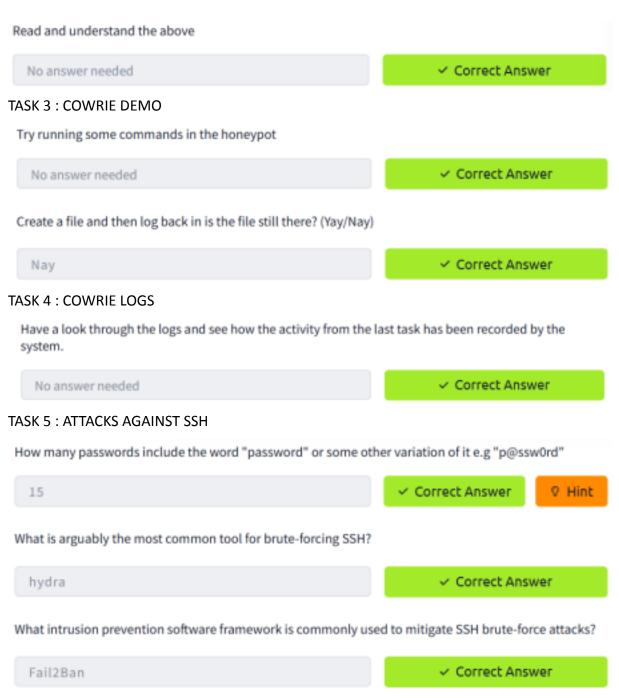EX NO : 9 DEPLOYMENT OF HONEYPOTS AND ANALYSIS NAME : KAVIYA V DATE : 16.04.2025
OF BOTNET ACTIVITIES ROLL NO : 231901062
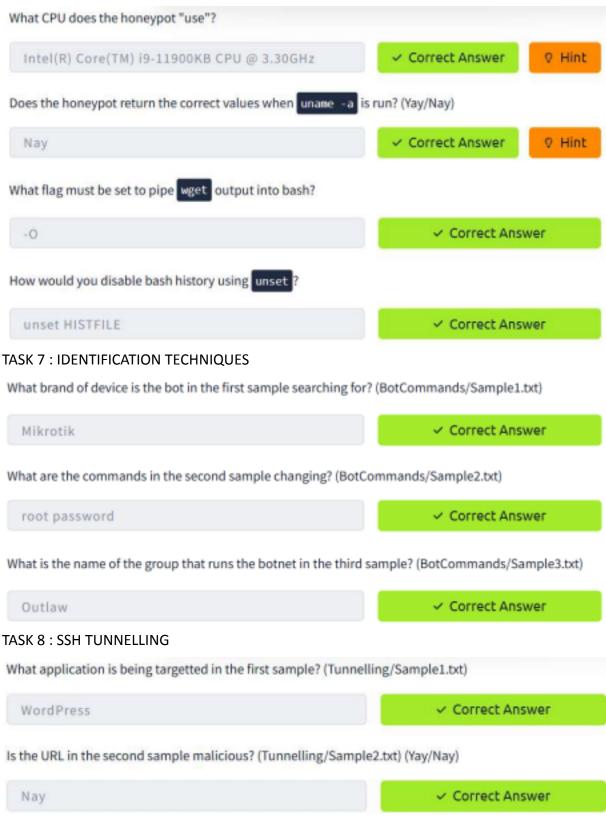
AIM:

A guided room covering the deployment of honeypots and analysis of botnet activities

TASK 2 : TYPES OF HONEYPOTS

Read and understand the above

| No answer needed | ✓ Correct Answer |

TASK 3 : COWRIE DEMO

Try running some commands in the honeypot

| No answer needed | ✓ Correct Answer |

Create a file and then log back in is the file still there? (Yay/Nay)

| Nay | ✓ Correct Answer |

TASK 4 : COWRIE LOGS

Have a look through the logs and see how the activity from the last task has been recorded by the system.

| No answer needed | ✓ Correct Answer |

TASK 5 : ATTACKS AGAINST SSH

How many passwords include the word "password" or some other variation of it e.g "p@ssw0rd"

| 15 | ✓ Correct Answer | ♀ Hint |

What is arguably the most common tool for brute-forcing SSH?

| hydra | ✓ Correct Answer |

What intrusion prevention software framework is commonly used to mitigate SSH brute-force attacks?

| Fail2Ban | ✓ Correct Answer |

TASK 6 : TYPICAL BOT ACTIVITY

What CPU does the honeypot "use"?

Intel(R) Core(TM) i9-11900KB CPU @ 3.30GHz — ✓ Correct Answer | ♀ Hint

Does the honeypot return the correct values when `uname -a` is run? (Yay/Nay)

Nay — ✓ Correct Answer | ♀ Hint

What flag must be set to pipe `wget` output into bash?

-O — ✓ Correct Answer

How would you disable bash history using `unset`?

unset HISTFILE — ✓ Correct Answer

TASK 7 : IDENTIFICATION TECHNIQUES

What brand of device is the bot in the first sample searching for? (BotCommands/Sample1.txt)

Mikrotik — ✓ Correct Answer

What are the commands in the second sample changing? (BotCommands/Sample2.txt)

root password — ✓ Correct Answer

What is the name of the group that runs the botnet in the third sample? (BotCommands/Sample3.txt)

Outlaw — ✓ Correct Answer

TASK 8 : SSH TUNNELLING

What application is being targetted in the first sample? (Tunnelling/Sample1.txt)

WordPress — ✓ Correct Answer

Is the URL in the second sample malicious? (Tunnelling/Sample2.txt) (Yay/Nay)

Nay — ✓ Correct Answer

CONCLUSION :

Honeypot and analysis of botnet activities is successfully deployed.