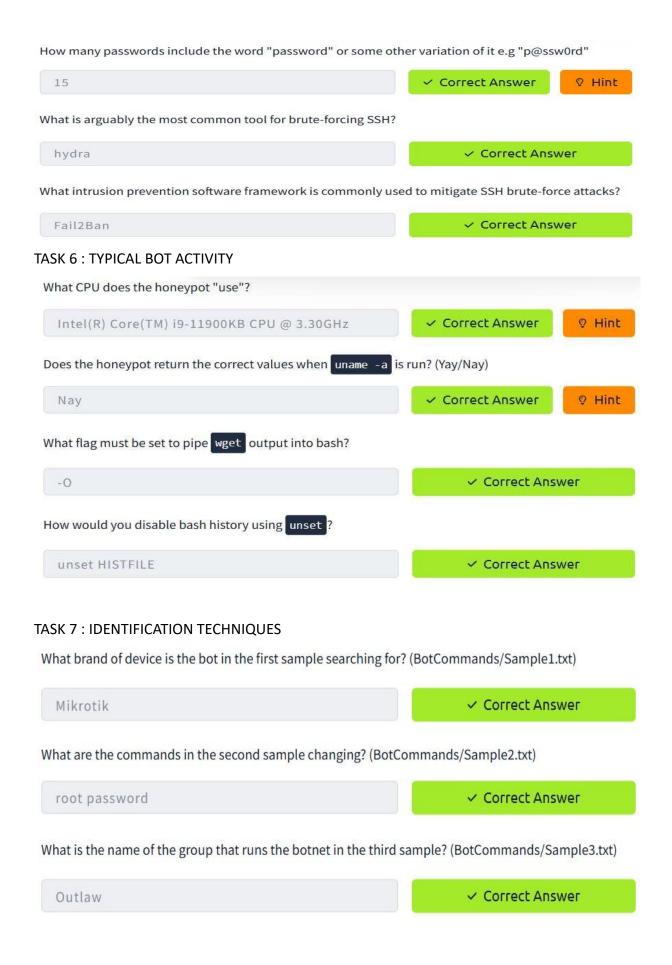EX NO : 9   DEPLOYMENT OF HONEYPOTS AND ANALYSIS   NAME : UDAYA SANKAR C

DATE : 16.04.2025   OF BOTNET ACTIVITIES   ROLL NO : 231901058

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.