WIFI HACKING 101

EXP.NO: 13

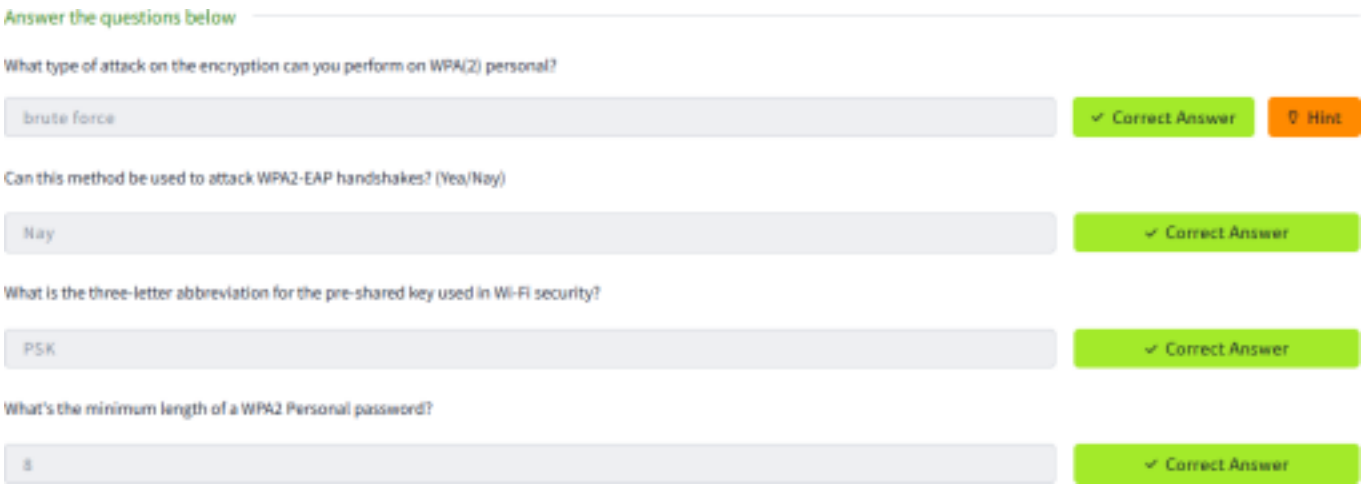
AIM:

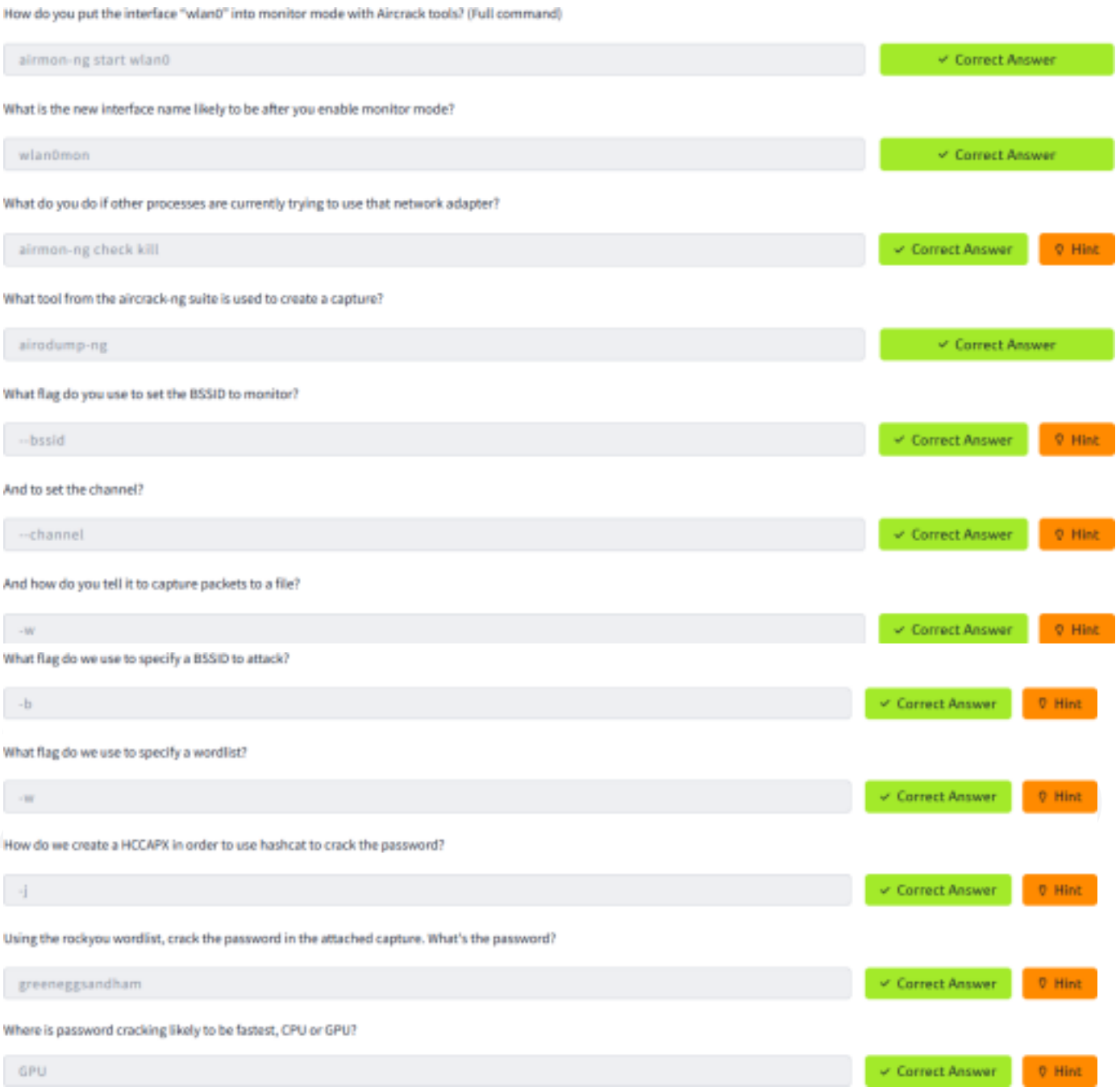
To understand and demonstrate how to capture and crack WPA/WPA2 personal Wi-Fi passwords using Aircrack-ng tools.

ALGORITHM:

1. Put the wireless interface into monitor mode.
2. Capture the 4-way handshake using airodump-ng.
3. (Optional) Deauthenticate a connected client to trigger handshake.
4. Use aircrack-ng with a wordlist to brute-force the password.
5. (Optional) Convert capture to HCCAPX format for GPU-based cracking with Hashcat.

OUTPUT:





RESULT:

In this experiment, we demonstrated the process of capturing and cracking WPA2 Passwords using tools like Air cracking and Hashcat. The experiment also highlighted that GPU-based cracking is faster than CPU based cracking.