## EX NO: 6 DEMONSTRATE LINUX PRIVILEGE ESCALATION

DATE: 2.4.2025

#### AIM:

Learn the fundamentals of Linux privilege escalation. From enumeration to exploitation, get hands-on with over 8 different privilege escalation techniques.

TASK 2: WHAT IS PRIVILEGE ESCALATION?

# Read the above. ✓ Correct Answer No answer needed **TASK 3: ENUMERATION** What is the hostname of the target system? ✓ Correct Answer wade7363 What is the Linux kernel version of the target system? 3.13.0-24-generic ✓ Correct Answer What Linux is this? ✓ Correct Answer Ubuntu 14.04 LTS What version of the Python language is installed on the system? ✓ Correct Answer 2.7.6 What vulnerability seem to affect the kernel of the target system? (Enter a CVE number) ✓ Correct Answer CVE-2015-1328

TASK 4: AUTOMATED ENUMERATION TOOLS

Install and try a few automated enumeration tools on your local Linux distribution

No answer needed

Correct Answer

## TASK 5: PRIVILEGE ESCALATION: KERNEL EXPLOITS

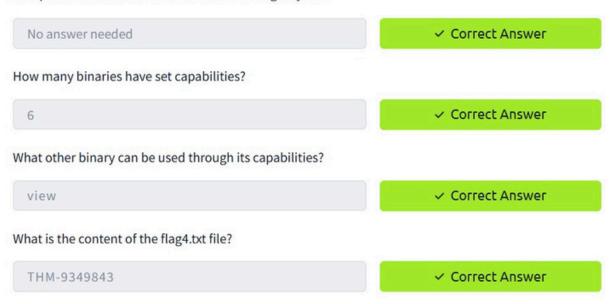
THM-3847834

find and use the appropriate kernel exploit to gain root privileges on the target system. ✓ Correct Answer ⊘ Hint No answer needed What is the content of the flag1.txt file? ✓ Correct Answer THM-28392872729920 TASK 6: PRIVILEGE ESCALATION: SUDO How many programs can the user "karen" run on the target system with sudo rights? 3 ✓ Correct Answer What is the content of the flag2.txt file? THM-402028394 ✓ Correct Answer How would you use Nmap to spawn a root shell if your user had sudo rights on nmap? sudo nmap --interactive ✓ Correct Answer What is the hash of frank's password? ✓ Correct Answer \$6\$2.sUUDsOLIpXKxcr\$eImtgFExyr2ls4jsghdD3DHL TASK 7: PRIVILEGE ESCALATION: SUID Which user shares the name of a great comic book writer? ✓ Correct Answer gerryconway What is the password of user2? Password1 ✓ Correct Answer What is the content of the flag3.txt file?

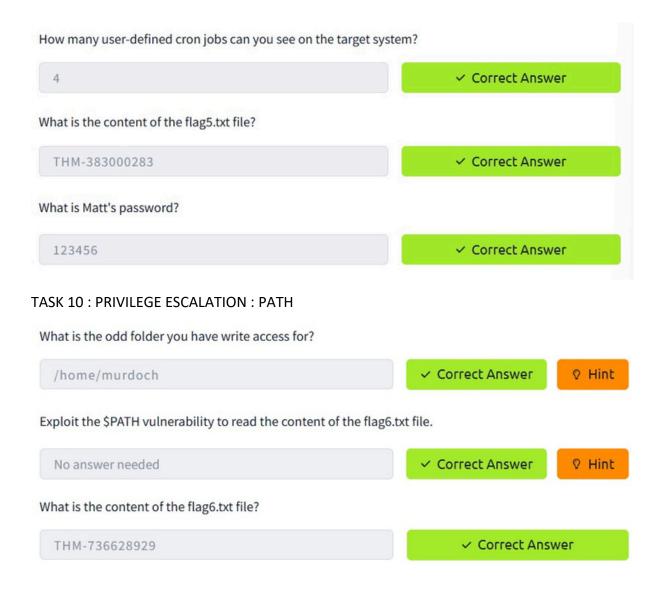
✓ Correct Answer

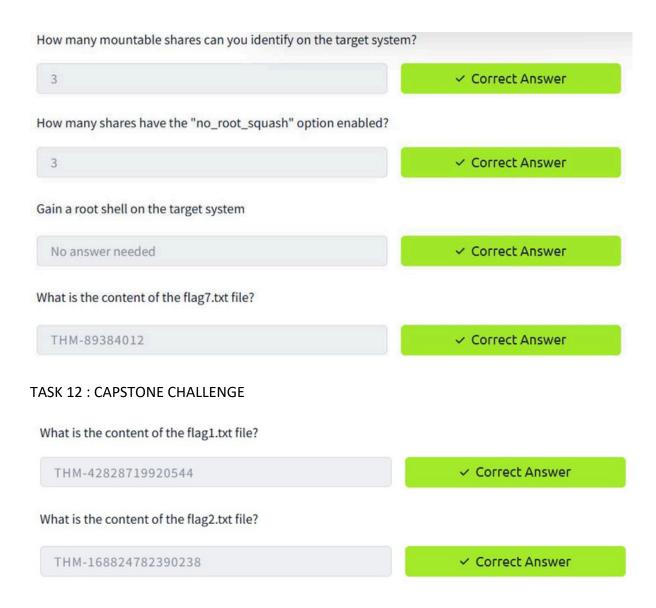
TASK 8: PRIVILEGE ESCALATION: CAPABILITIES

Complete the task described above on the target system



TASK 9: PRIVILEGE ESCALATION: CRON JOBS





## **CONCLUSION:**

Tryhackme platform demonstrate linux privilege escalation task is successfully executed.