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 People**

1. Create a secret user named sysd. Make sure this user doesn't have a home folder created:  
   * Adduser sysd
2. Give your secret user a password:  
   * Adduser sysd
3. Give your secret user a system UID < 1000:  
   * Usermod -u 800 sysd
4. Give your secret user the same GID:  
   * Groupmod -g 800 sysd
5. Give your secret user full sudo access without the need for a password:  
   * Sudo visudo then ALL=(ALL) NOPASSWD: ALL
6. Test that sudo access works without your password:  
   sudo -l  
    Your bash commands here  
   sudo -apt get update

**Step 2: Smooth Sailing**

1. Edit the sshd\_config file:  
    Your bash commands here  
   sudo nano /etc/ssh/sshd\_config

#Port 2222

Port 2222

**Step 3: Testing Your Configuration Update**

1. Restart the SSH service:  
   * Your solution command here

systemctl restart.ssh service

1. Exit the root account:  
   Exit
   * Your solution command here
2. SSH to the target machine using your sysd account and port 2222:  
   ssh 192.168.6.105 -p 2222
   * Your solution command here
3. Use sudo to switch to the root user:  
   Sudo -s
   * Your solution command here

**Step 4: Crack All the Passwordsj**

1. SSH back to the system using your sysd account and port 2222:  
   ssh 192.168.6.105 -p 2222
   * Your solution command here
2. Escalate your privileges to the root user. Use John to crack the entire /etc/shadow file:  
   sudo su

John /etc/shadow

* + Your solution command here