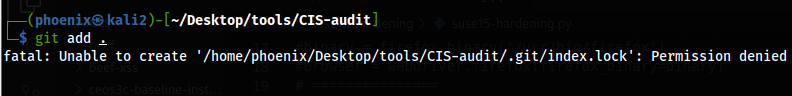
**Using Github on Linux**

 If unable to git add

fatal: Unable to create '/home/phoenix/Desktop/tools/repo/.git/index.lock' : Permission denied



Then chmod ./.git:

**sudo chmod -R 777 ./.git;**

If still cannot git add => Remove repo/.git/index.lock

**sudo rm -rf ./.git/index.lock;**

Should be able to git add now

git add .

git commit -m""

git push -u origin main

A screen shot of a computer

Description automatically generated

// Using HTTPS to Git

sudo git clone gitRepo.git;

// If HTTPS keeps asking for username & password

// Try => generate new SSH key on local Linux => Upload public SSH key to Git

A screenshot of a computer

Description automatically generated

sudo ssh-keygen -t ed25519 -C "phoenixyork166@github.com";

A screenshot of a computer

Description automatically generated

Enter file in which...

/home/phoenix/.ssh/id\_ed25519;

// Verify id\_ed25519 id\_ed25519.pub are generated

ls -la /home/phoenix/.ssh

A screenshot of a computer

Description automatically generated

// Verify both public & private key

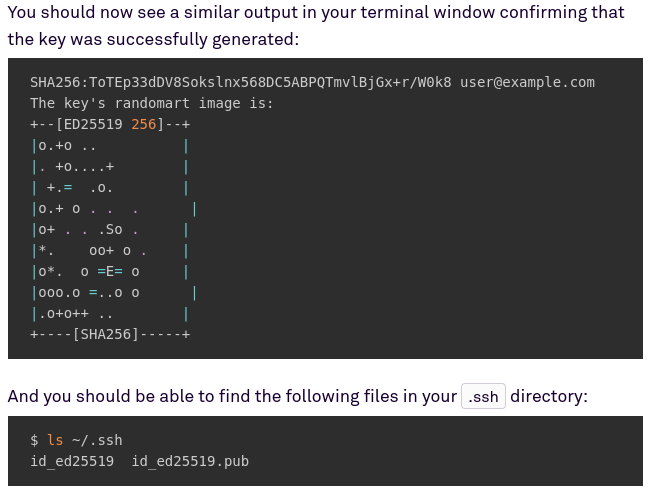
A screen shot of a computer program

Description automatically generated

**All public & private keys are stored in /home/userName/.ssh**

A black and white screen with purple text

Description automatically generated



A close-up of a white background

Description automatically generated

A screenshot of a computer

Description automatically generated

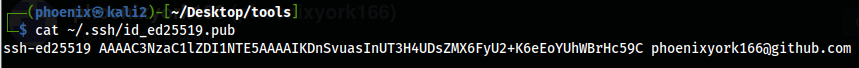
A screenshot of a computer

Description automatically generated

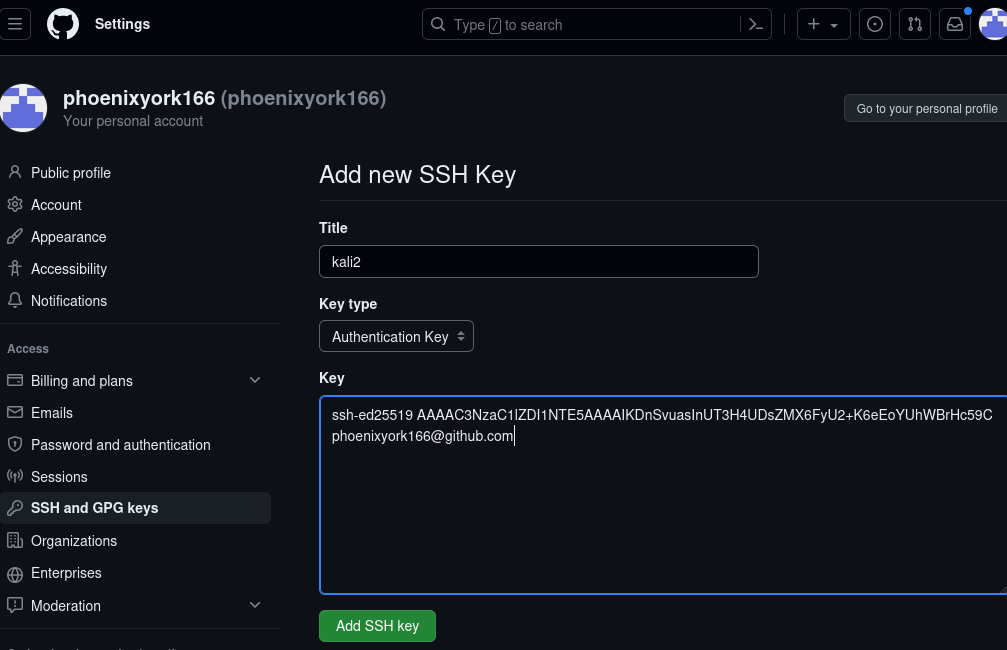
A screenshot of a computer

Description automatically generated

cat ~/.ssh/id\_ed25519.pub;



Select WHOLE line => Copy & paste:



A screenshot of a computer

Description automatically generated

// Try cloning

sudo git clone REPO;

sudo git clone git@github.com:phoenixyork166/bash-01.git;

A screenshot of a computer

Description automatically generated

// After 1st cloning, you'll see

A screenshot of a computer

Description automatically generated

// Daily git operations

sudo git add . ;

sudo git commit -m"";

sudo git push;

// Enter passphrase

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A computer screen with text and numbers

Description automatically generated

ssh-agent /bin/bash;

ssh-add ~/.ssh/id\_ed25519;

Now, we should be able to git clone using ssh on GitHub!