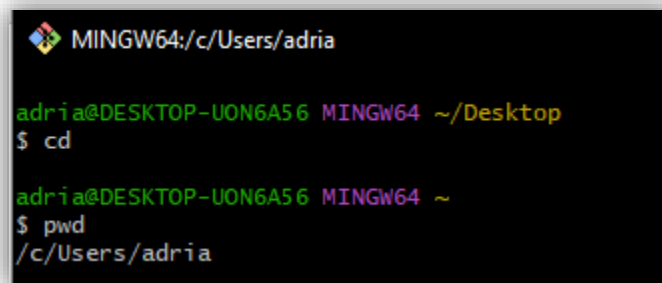


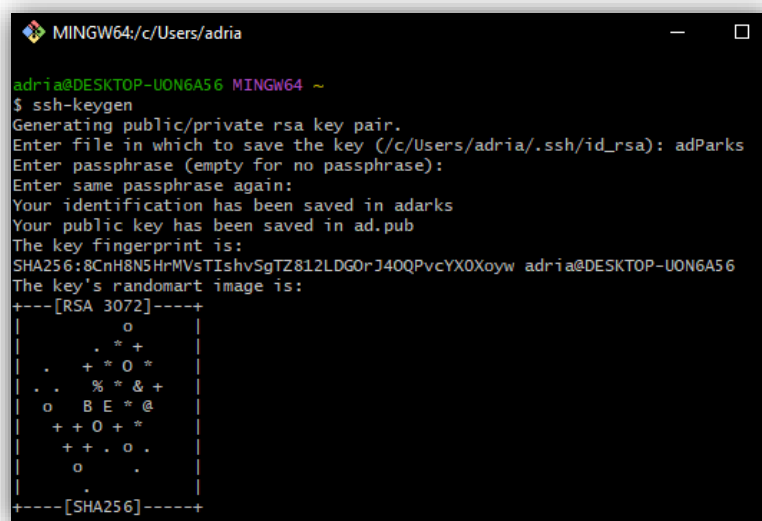
## SSH Connection Hands On

1. Change directory to root by typing `cd`; here is where we will produce public and private keys. To check your directory, use `pwd`.

A terminal window titled 'MINGW64:/c/Users/adria' shows the user 'adria@DESKTOP-UON6A56' in a 'MINGW64' environment at the '~/.Desktop' location. The user enters '\$ cd' and then '\$ pwd', with the output being '/c/Users/adria'.

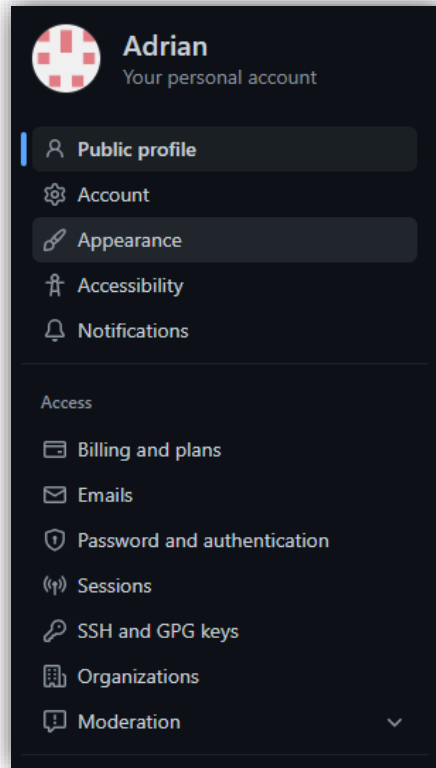
```
MINGW64:/c/Users/adria  
  
adria@DESKTOP-UON6A56 MINGW64 ~/.Desktop  
$ cd  
  
adria@DESKTOP-UON6A56 MINGW64 ~  
$ pwd  
/c/Users/adria
```

2. I generated the public and private keys with `ssh-keygen`. It will prompt you to name the file. After that, it will prompt you for a password, which you may dismiss by pressing enter.

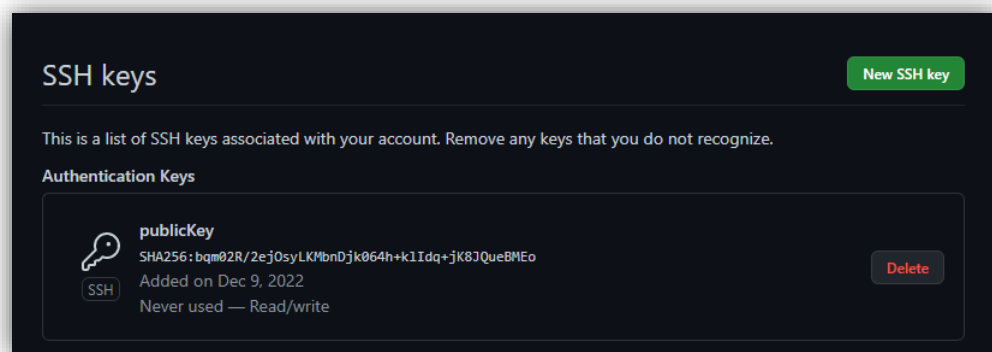
A terminal window titled 'MINGW64:/c/Users/adria' shows the user 'adria@DESKTOP-UON6A56' in a 'MINGW64' environment at the '~' location. The user enters '\$ ssh-keygen'. The terminal shows the process of generating an RSA key pair, saving it to 'adParks', and displaying the key fingerprint and a randomart image.

```
MINGW64:/c/Users/adria  
  
adria@DESKTOP-UON6A56 MINGW64 ~  
$ ssh-keygen  
Generating public/private rsa key pair.  
Enter file in which to save the key (/c/Users/adria/.ssh/id_rsa): adParks  
Enter passphrase (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in adarks  
Your public key has been saved in ad.pub  
The key fingerprint is:  
SHA256:8CnH8N5HrMVstIshvSgTZ812LDG0rJ40QPvcYX0Xoyw adria@DESKTOP-UON6A56  
The key's randomart image is:  
+---[RSA 3072]-----+  
|  
|  o  
|  . * +  
|  . + * O *  
|  . % * & +  
|  o B E * @  
|  + + O + *  
|  + + . O .  
|  o  
|  .  
+---[SHA256]-----+
```

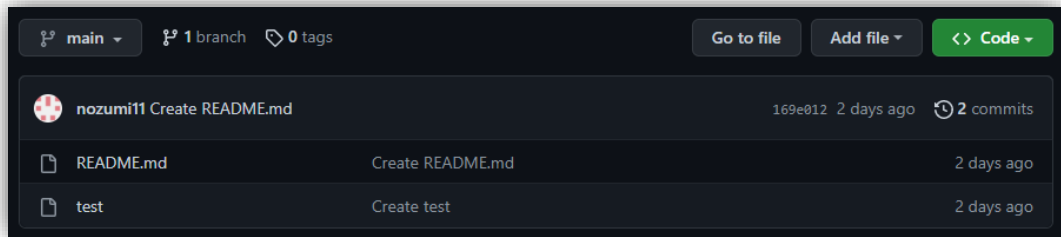
3. After I've configured my public key generator, I go to [github](#) to control my key.



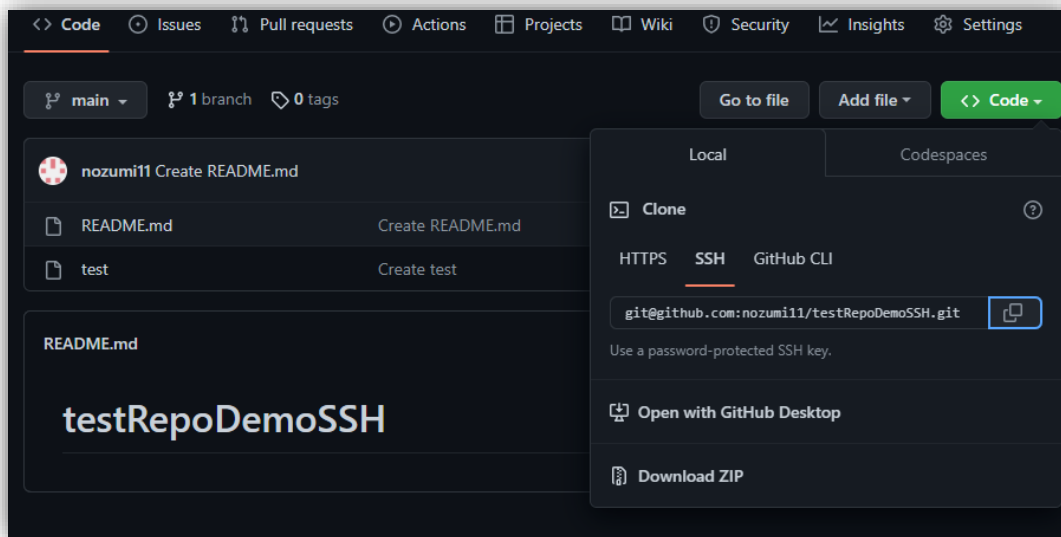
4. I copy and paste the [SSH code](#) to my Github after finding the [SSH and GPG](#).



5. Following that, I built a [new repository](#) from which I will clone for my local machine.



6. Then I get the [ssh source](#) and add it to my git bash.



7. Then, create a folder in which you wish to clone. After creating a folder Gitbash under it, I titled it SSHPractices. After pressing the enter key, type "[eval 'ssh-agent'](#)" to get "[Agent pid](#)." Then type "ssh -add /adparks".

```
MINGW64:/c/Users/adria/Desktop/SSHPractices

adria@DESKTOP-UON6A56 MINGW64 ~/Desktop/SSHPractices
$ eval `ssh-agent`
Agent pid 1216

adria@DESKTOP-UON6A56 MINGW64 ~/Desktop/SSHPractices
$ ssh-add ~/adParks
/c/Users/adria/adParks: No such file or directory

adria@DESKTOP-UON6A56 MINGW64 ~/Desktop/SSHPractices
$ ssh-add ~/adparks
Identity added: /c/Users/adria/adparks (adria@DESKTOP-UON6A56)

adria@DESKTOP-UON6A56 MINGW64 ~/Desktop/SSHPractices
$
```

8. Now we're ready to clone a repository. If you forget to type "[git clone](#)" and paste your ssh code, return to step 6.

```
adria@DESKTOP-UON6A56 MINGW64 ~/Desktop/SSHPractices
$ git clone git@github.com:nozumi11/testRepoDemoSSH.git
Cloning into 'testRepoDemoSSH'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (6/6), done.

adria@DESKTOP-UON6A56 MINGW64 ~/Desktop/SSHPractices
$ |
```

9. And if the folder listed in your directory is correctly linked, you are done.

