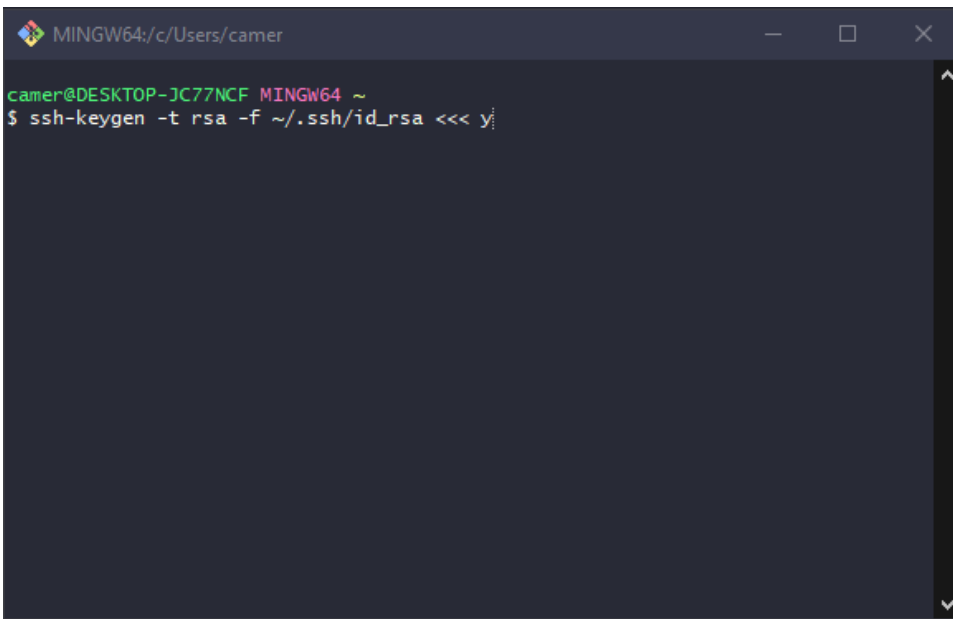


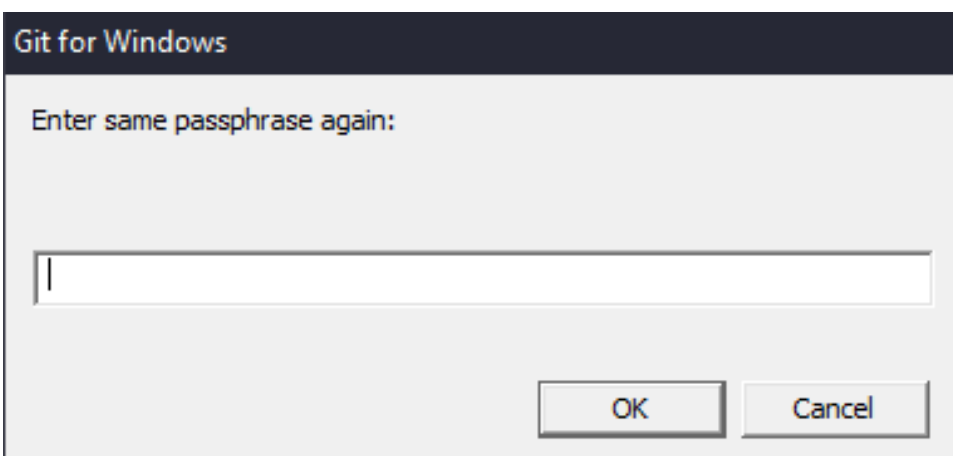
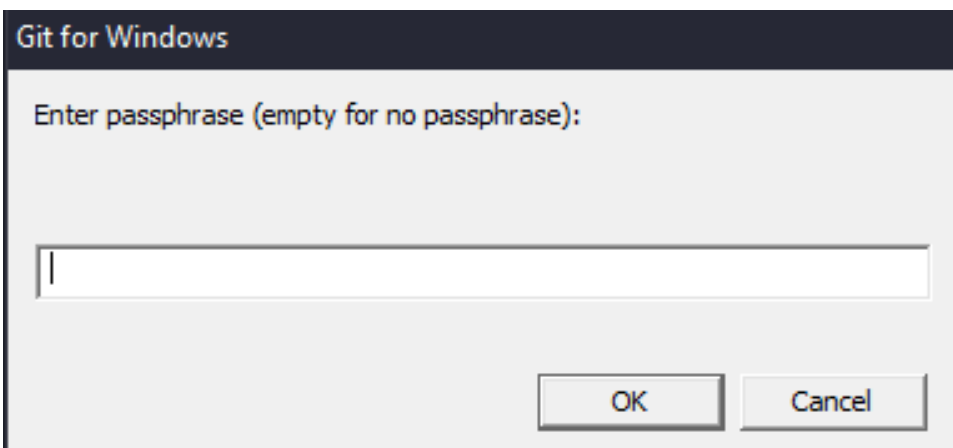
# Connecting to GitHub with an SSH Key

1. in git bash (anywhere) enter

```
ssh-keygen -t rsa -f ~/.ssh/id_rsa <<< y
```



2. you may be prompted for a password... YOU DO NOT NEED TO ENTER ONE



3. Your Git Bash terminal should look something like this

```
MINGW64:/c/Users/camer

camer@DESKTOP-JC77NCF MINGW64 ~
$ ssh-keygen -t rsa -f ~/.ssh/id_rsa <<< y
Generating public/private rsa key pair.
Your identification has been saved in /c/Users/camer/.ssh/id_rsa
Your public key has been saved in /c/Users/camer/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:x8/extP5cLXtP2ST1A8viZDn6JBptWbTVe63DaC1yLo camer@DESKTOP-JC77NCF
The key's randomart image is:
+---[RSA 3072]-----+
|
|      .
|     . o.
|    . + + o.o
|   S=0@ =. =+
|  =.Xo= +=0
| . * .o. +=0
| . .. .+Bo
| E. ....B|
+---[SHA256]-----+

camer@DESKTOP-JC77NCF MINGW64 ~
$ |
```

4. In your Git Bash terminal enter

```
cat ~/.ssh/id_rsa.pub
```

```
MINGW64:/c/Users/camer

camer@DESKTOP-JC77NCF MINGW64 ~
$ cat ~/.ssh/id_rsa.pub
```

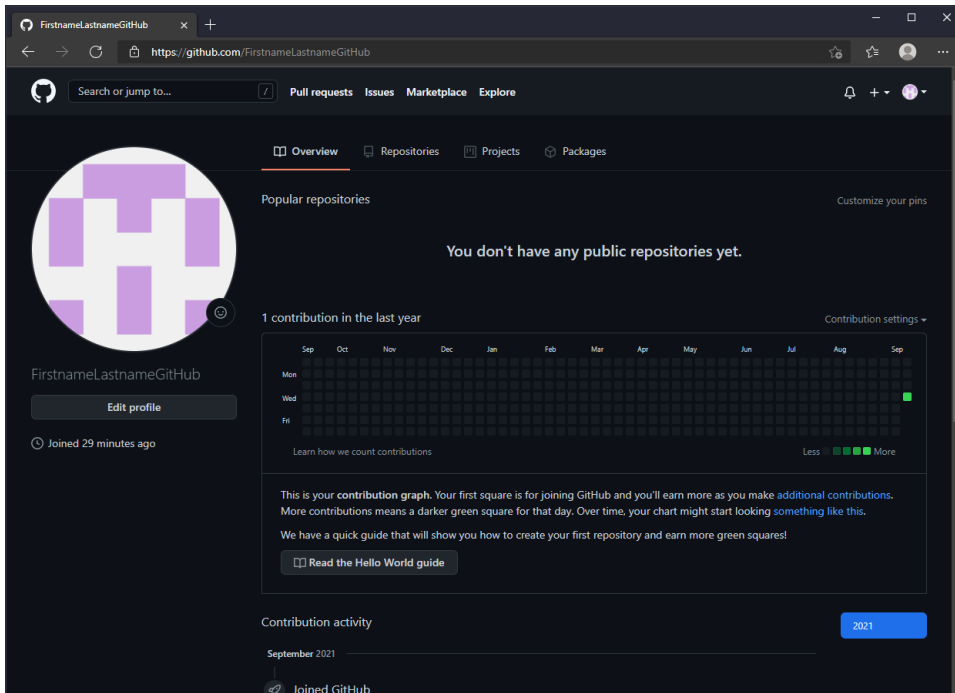
5. Your Git Bash terminal should look something like this

```
MINGW64:/c/Users/camer

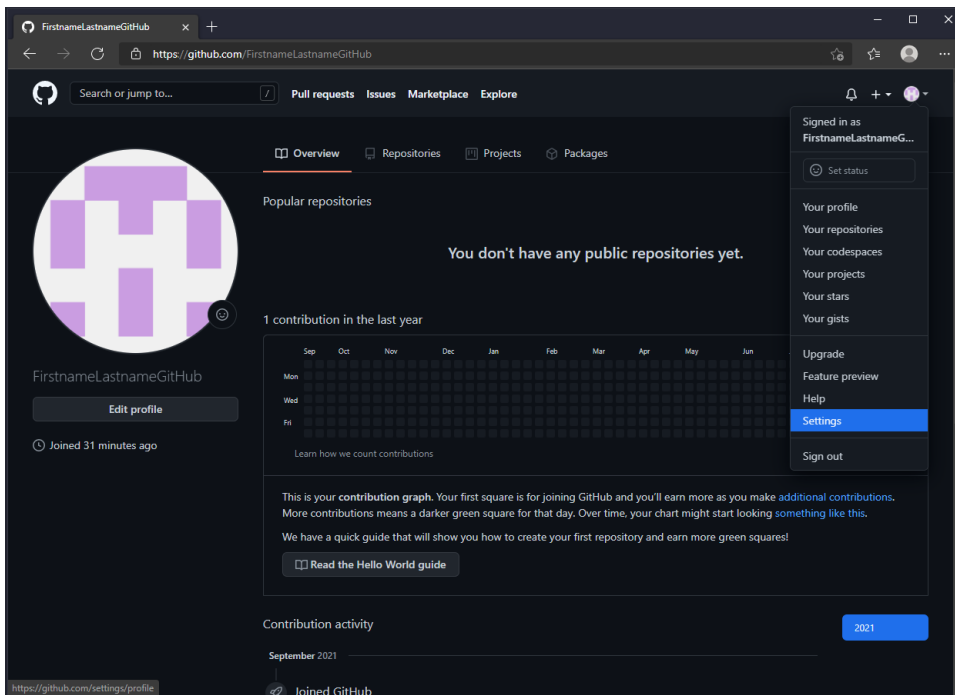
camer@DESKTOP-JC77NCF MINGW64 ~
$ cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQgQC3ZdXl8f1wjKfBFRR1dVwYSH3ljUYZqksfhMZb0d88
bluK886iT49N0mqaeQdWKC1ENU2uV50ju0Zl adGKe7nHZs6bTTIp1dRGqDqwT/mjUSl dxT/TgctVgdZf
UTJQ7/4nzY86b4th5jjROMBGnU6tRU1WbNEJJND70aLc5WVLNQ5Zy1LHAQdCHjbow9KIC1Kc2Tod4BB3
/PKgo+WnsPcjFSBc8TNeVJHhjioC BvrZ63h9uQkHQ9usd8rSHTQOfPIORT62UDs/7dhgZ1ldrf/R6WC
aJGIBhiIBJEJxCEgmhRPDIiWk2Z0zFmjLc4LKqGnUDY9qY4f4HYHeuAMtRJHkM9JsB5CnNe8xCszTb2
3tq7HdX9QjzUdzBbfumops0ieUFt7dZ40rKvLkpkYG9FESgjjVHmQSF4S9hVidVy81vwB1rhyiJ1aFi0
0ei3y/xs7Lf/pgc/31N1XQxF2Bo4Y2/v27jfftsnWuYoutq2M2Bdyk3gcRKbzJX7NGN9rPk= camer@D
ESKTOP-JC77NCF

camer@DESKTOP-JC77NCF MINGW64 ~
$ |
```

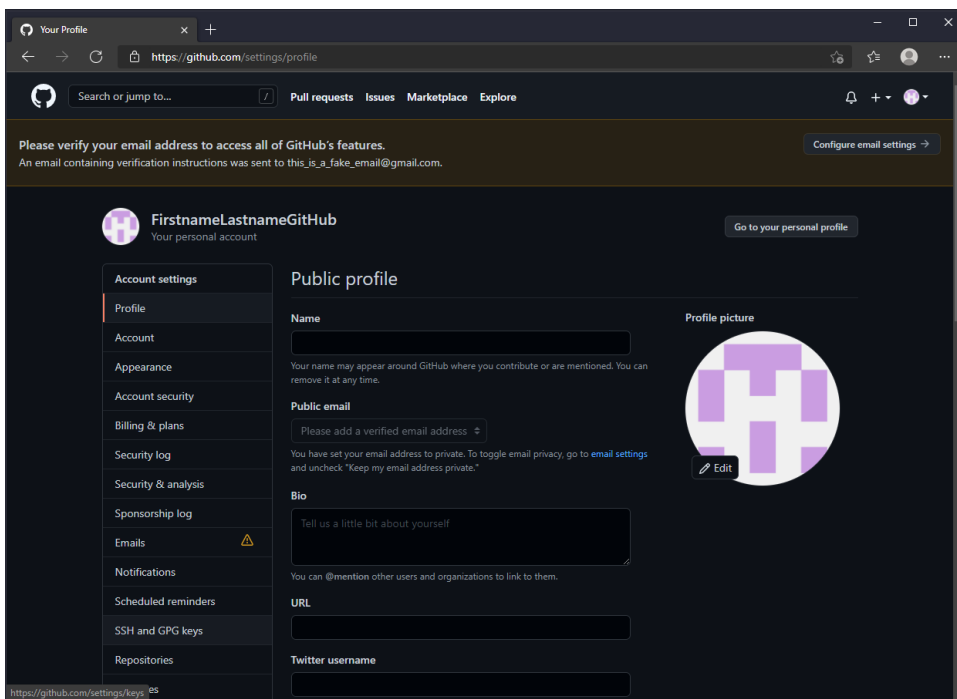
6. in your browser navigate to <http://github.com/> and login



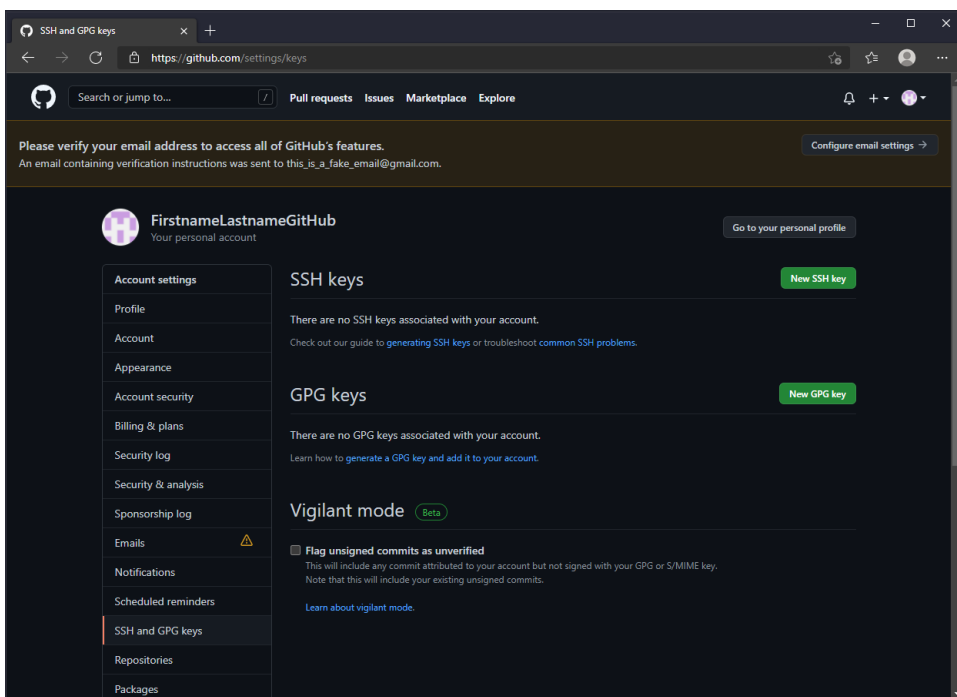
7. click on your small avatar (at the top-right of the screen) and select 'settings' from the drop-down



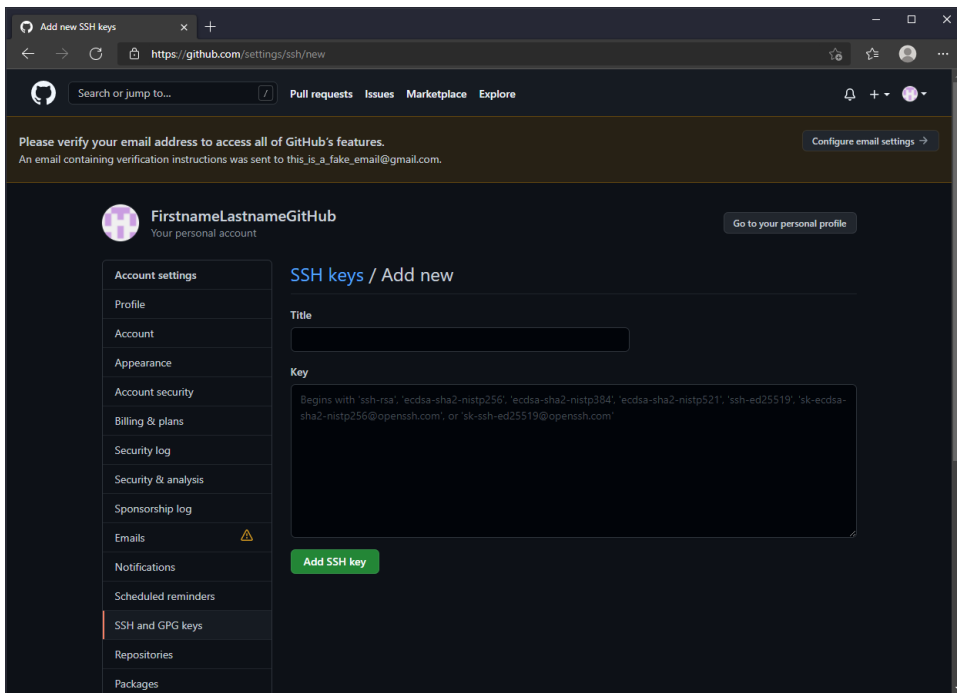
8. on the left hand side go to 'SSH and GPG keys'



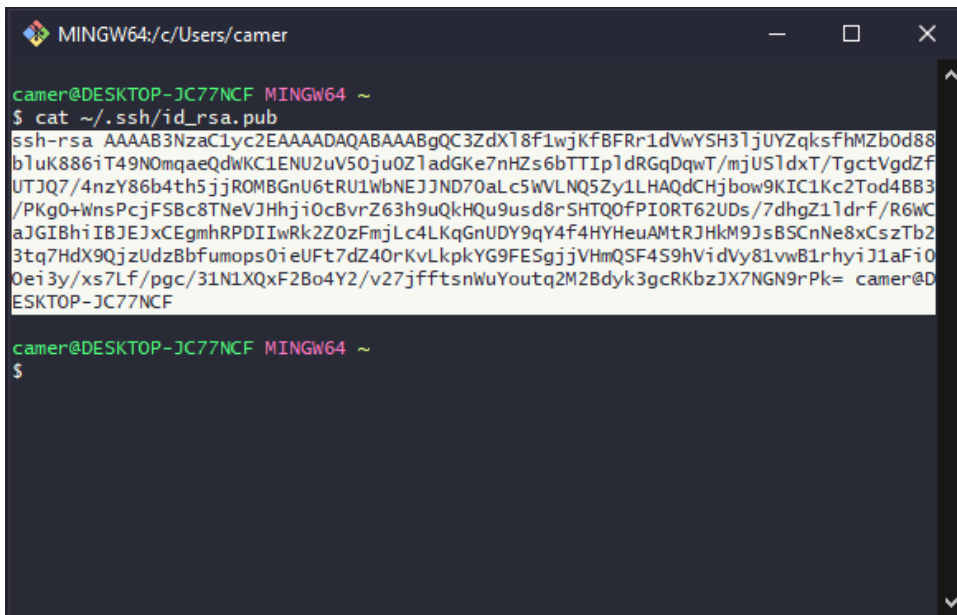
9. click the 'new SSH key' button



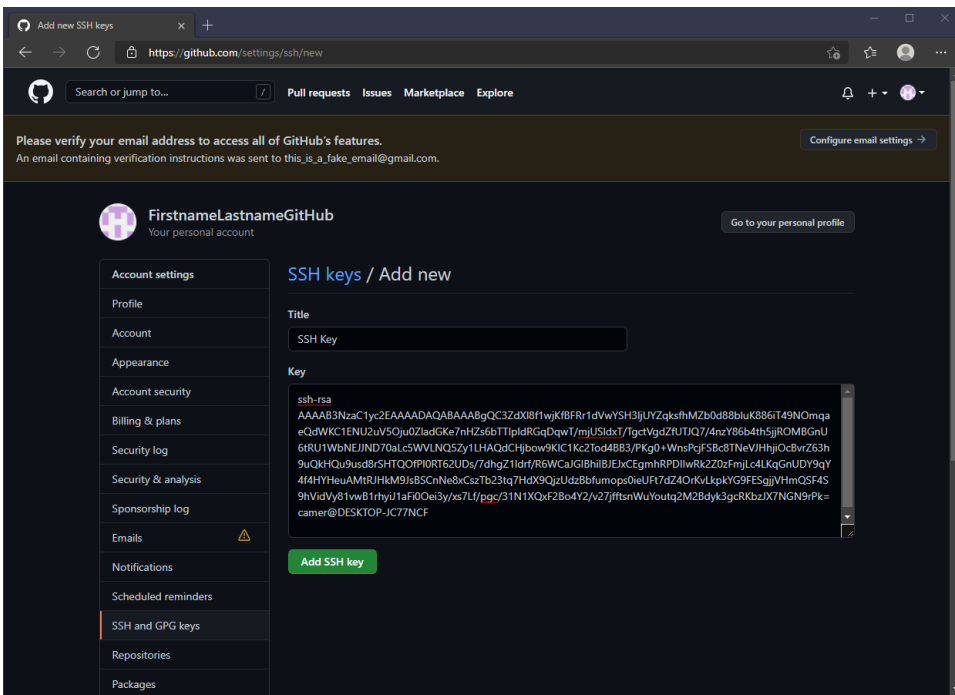
10. your window should look something like this



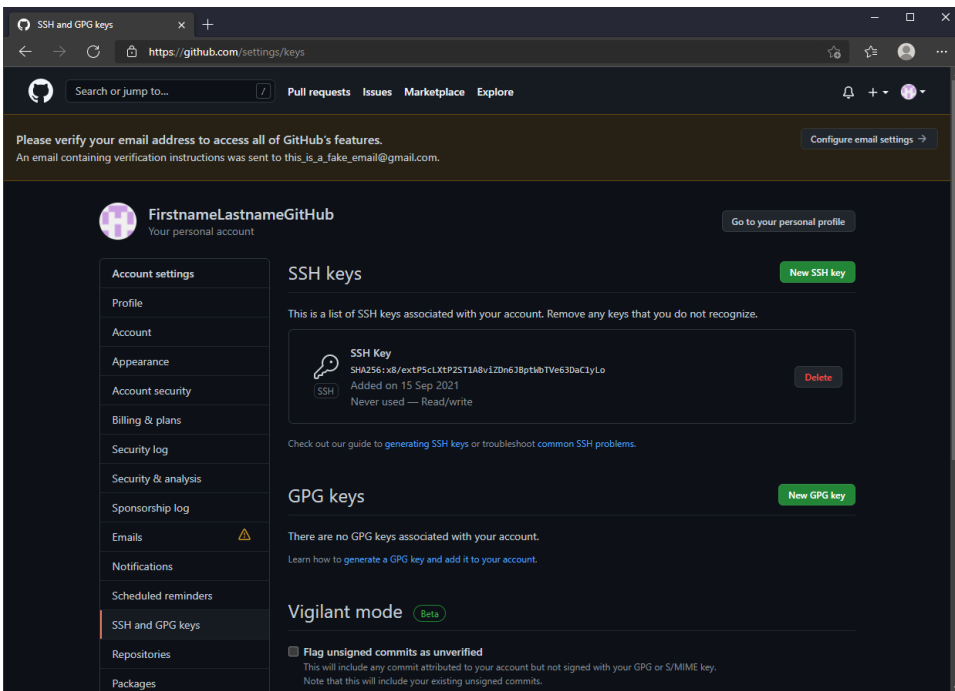
11. copy the key from git bash



12. paste it into the text box and give it a name like 'GitBash SSH' and click Add SSH key

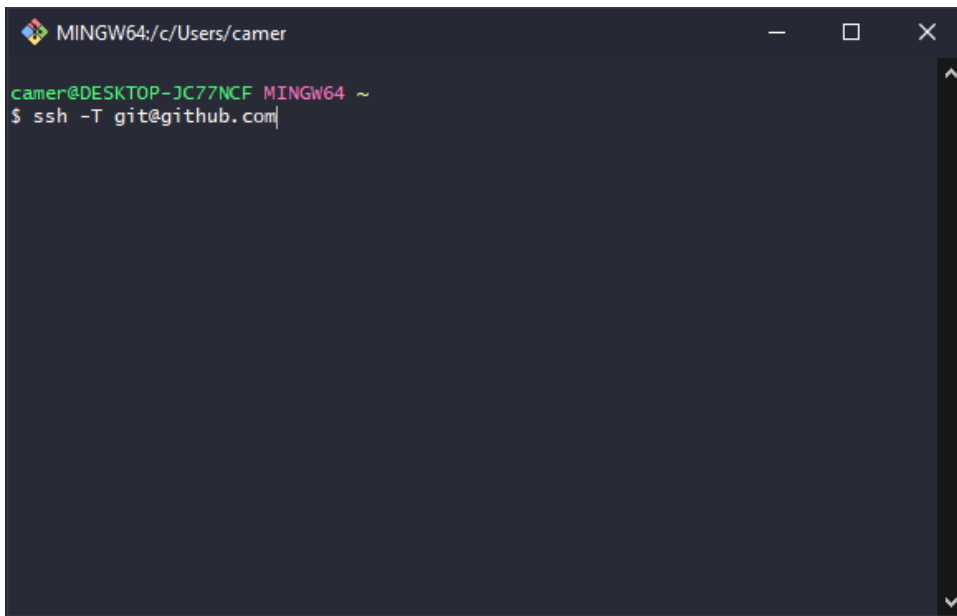


13. your window should look something like this



14. to test the connection go back to git bash and type

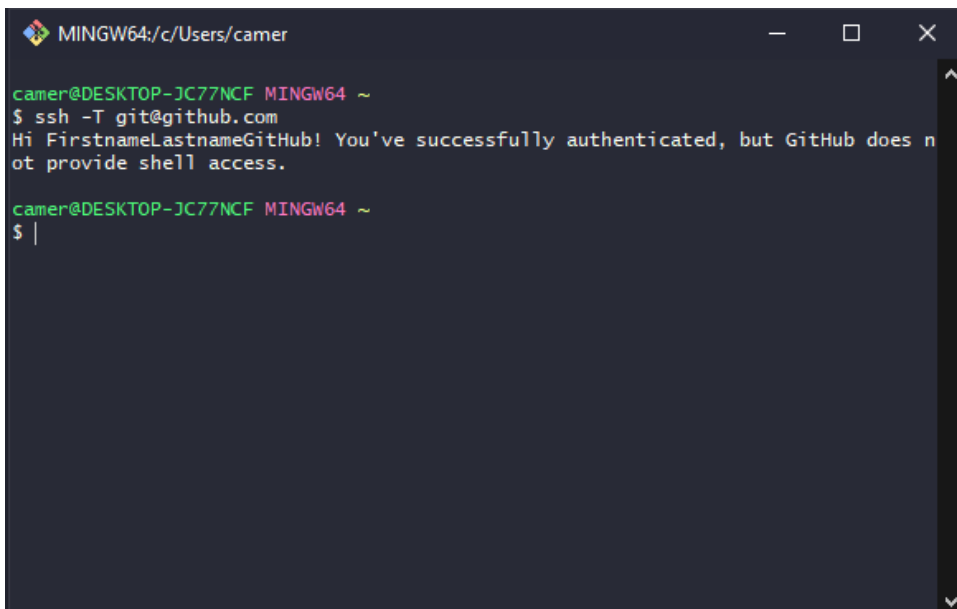
```
ssh -T git@github.com
```



```
MINGW64:/c/Users/camer
camer@DESKTOP-JC77NCF MINGW64 ~
$ ssh -T git@github.com
```

15. if it works you'll see a message like

```
> Hi username! You've successfully authenticated, but GitHub does not
> provide shell access.
```



```
MINGW64:/c/Users/camer
camer@DESKTOP-JC77NCF MINGW64 ~
$ ssh -T git@github.com
Hi FirstnameLastnameGitHub! You've successfully authenticated, but GitHub does not
provide shell access.

camer@DESKTOP-JC77NCF MINGW64 ~
$ |
```