

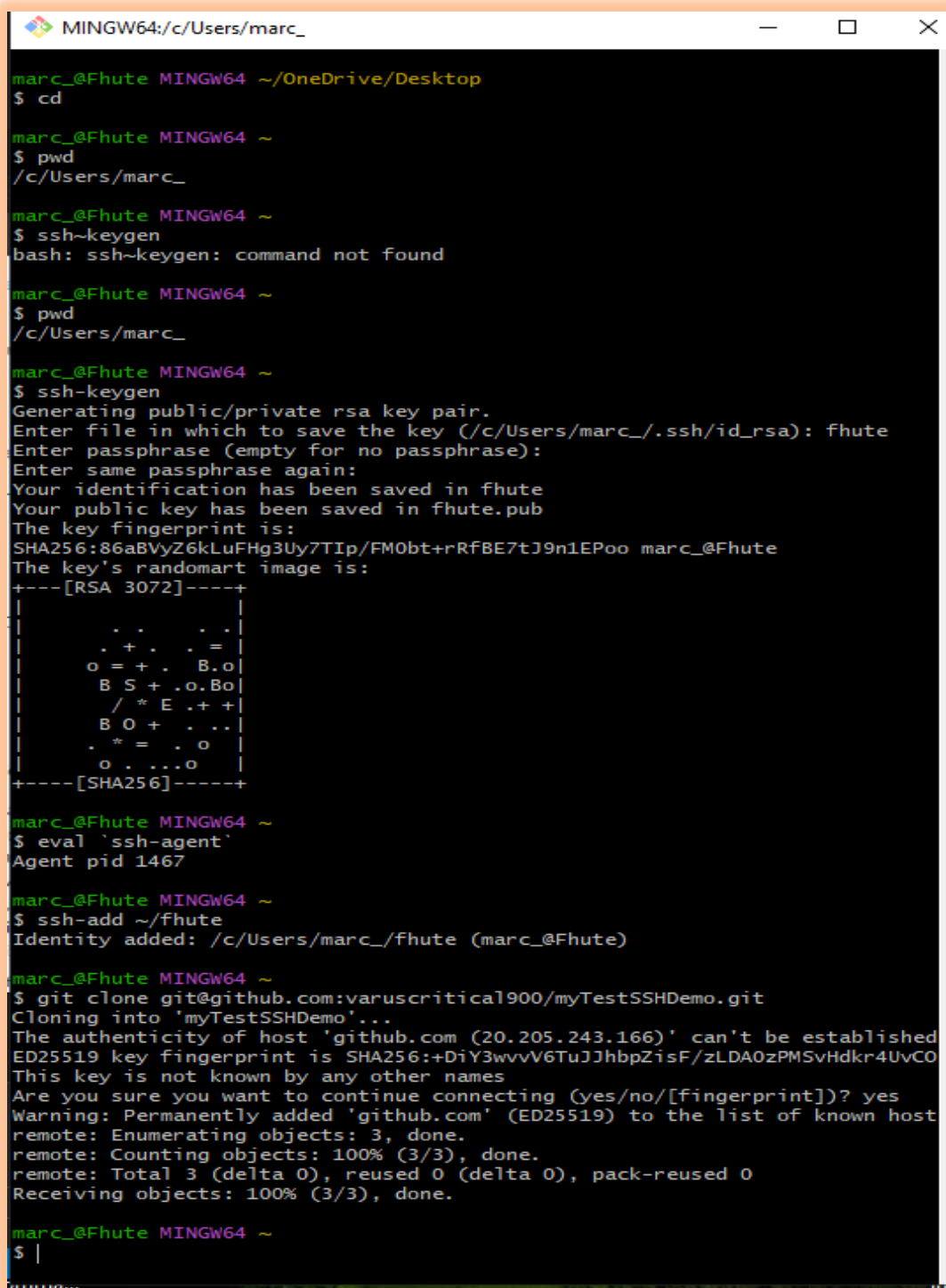
SSH - Observation

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Wave: *WD37*

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1. In Desktop, I launched the GitBash Terminal. I also used the `cd` command to navigate to the root directory and the `pwd` command to print the current working directory.
2. To generate the public and private keys, run the "`ssh-keygen`" command. In my case I named my files as "fhute" then skip two passphrases



```
MINGW64:/c/Users/marc_

marc_@Fhute MINGW64 ~/OneDrive/Desktop
$ cd

marc_@Fhute MINGW64 ~
$ pwd
/c/Users/marc_

marc_@Fhute MINGW64 ~
$ ssh-keygen
bash: ssh-keygen: command not found

marc_@Fhute MINGW64 ~
$ pwd
/c/Users/marc_

marc_@Fhute MINGW64 ~
$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/marc_/.ssh/id_rsa): fhute
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in fhute
Your public key has been saved in fhute.pub
The key fingerprint is:
SHA256:86aBVyZ6kLuFHg3Uy7TIp/FM0bt+rRfBE7tJ9n1EPoo marc_@Fhute
The key's randomart image is:
+----[RSA 3072]-----+
|
|  . . . .
|  . + . . =
| o = + . B.o
| B S + .o.Bo
| / * E .+ +
| B O + . ..
| . * = . o
| o . ...o
+----[SHA256]-----+

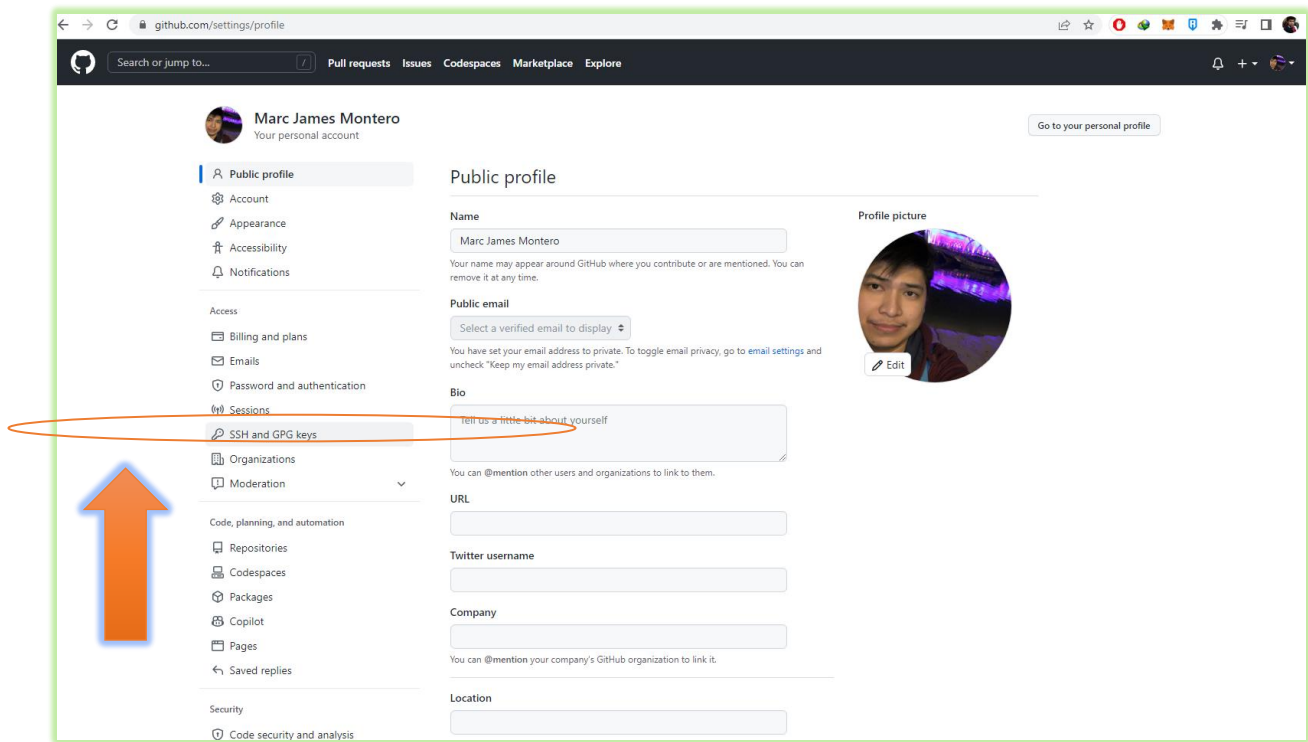
marc_@Fhute MINGW64 ~
$ eval `ssh-agent`
Agent pid 1467

marc_@Fhute MINGW64 ~
$ ssh-add ~/fhute
Identity added: /c/Users/marc_/fhute (marc_@Fhute)

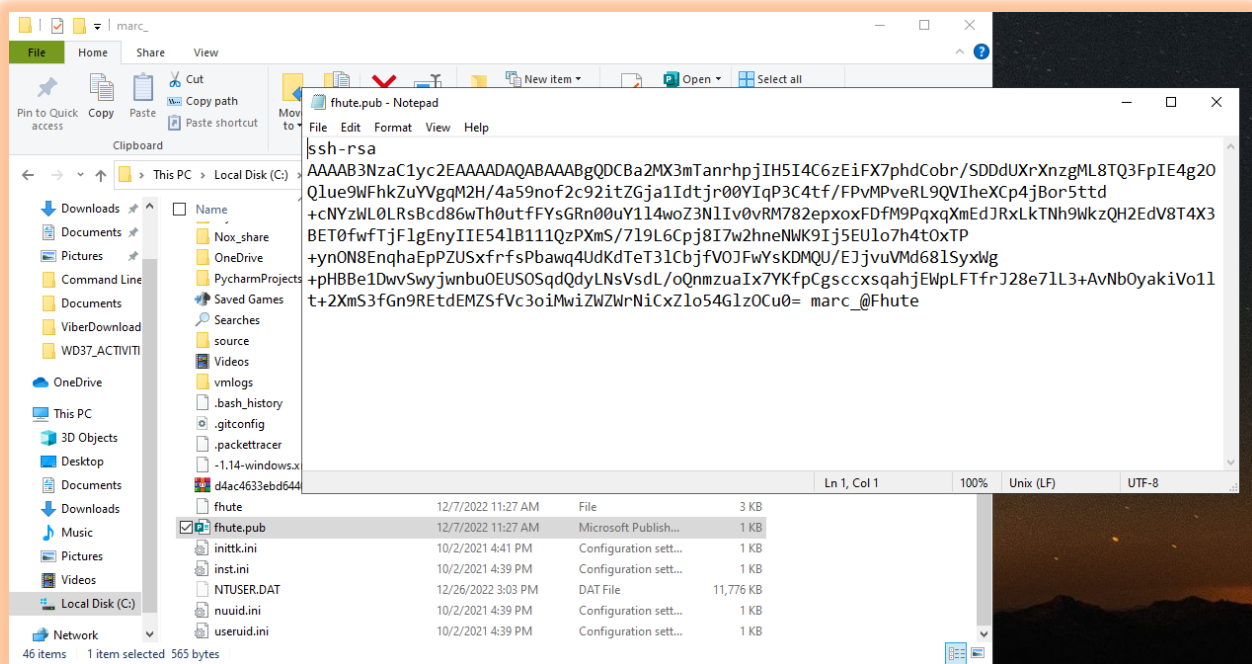
marc_@Fhute MINGW64 ~
$ git clone git@github.com:varuscritical900/myTestSSHDemo.git
Cloning into 'myTestSSHDemo'...
The authenticity of host 'github.com (20.205.243.166)' can't be established
ED25519 key fingerprint is SHA256:+DiY3wvvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvCO
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com' (ED25519) to the list of known host
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

marc_@Fhute MINGW64 ~
$ |
```

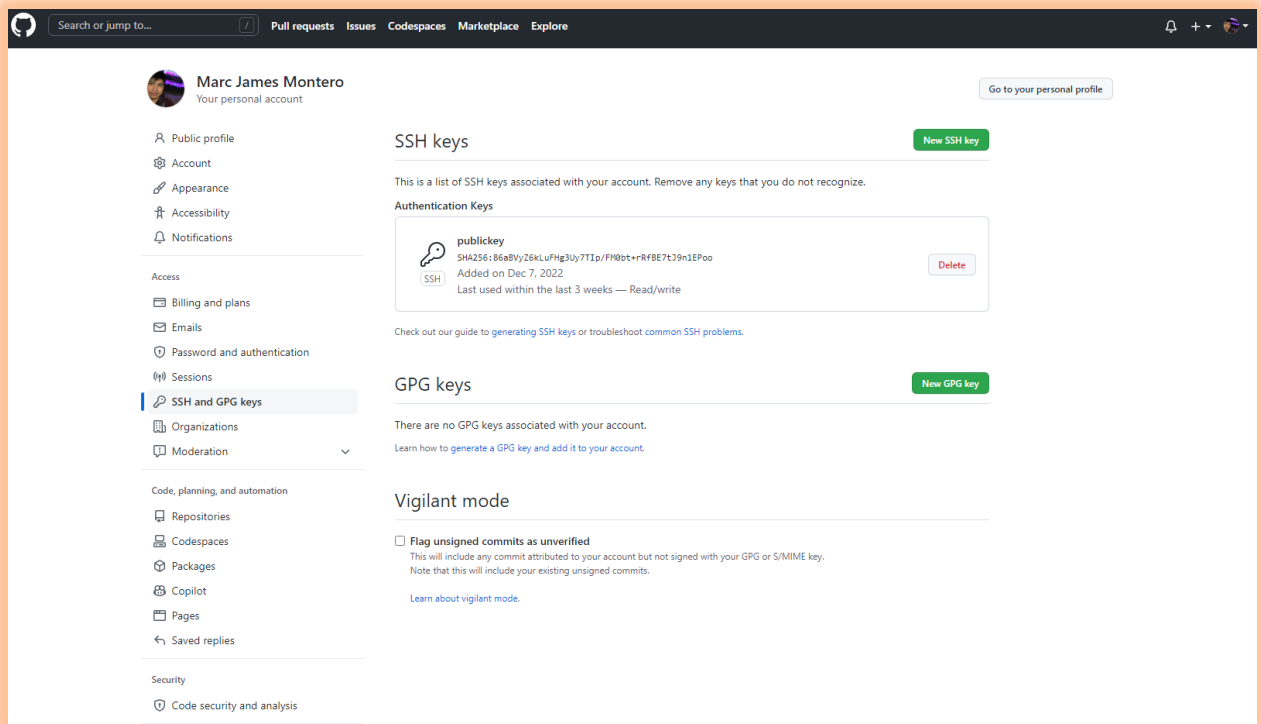
3. Go to Settings in my GitHub account and select SSH and GPG keys.



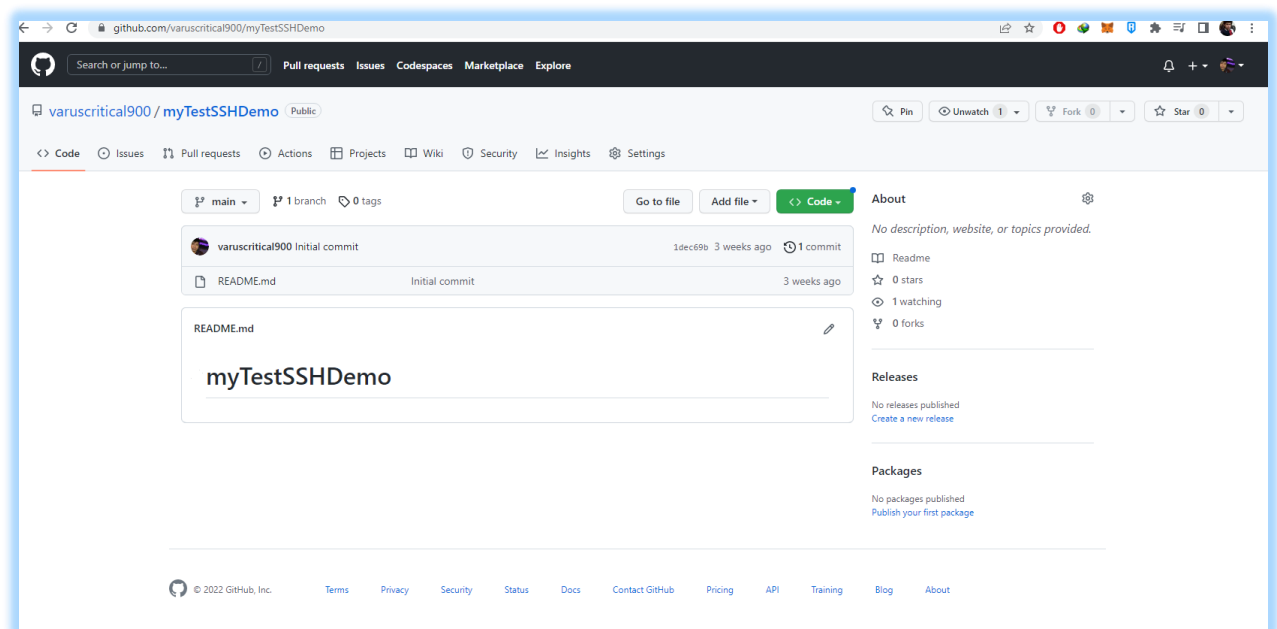
4. To get my Public key, I opened the file to notepad.



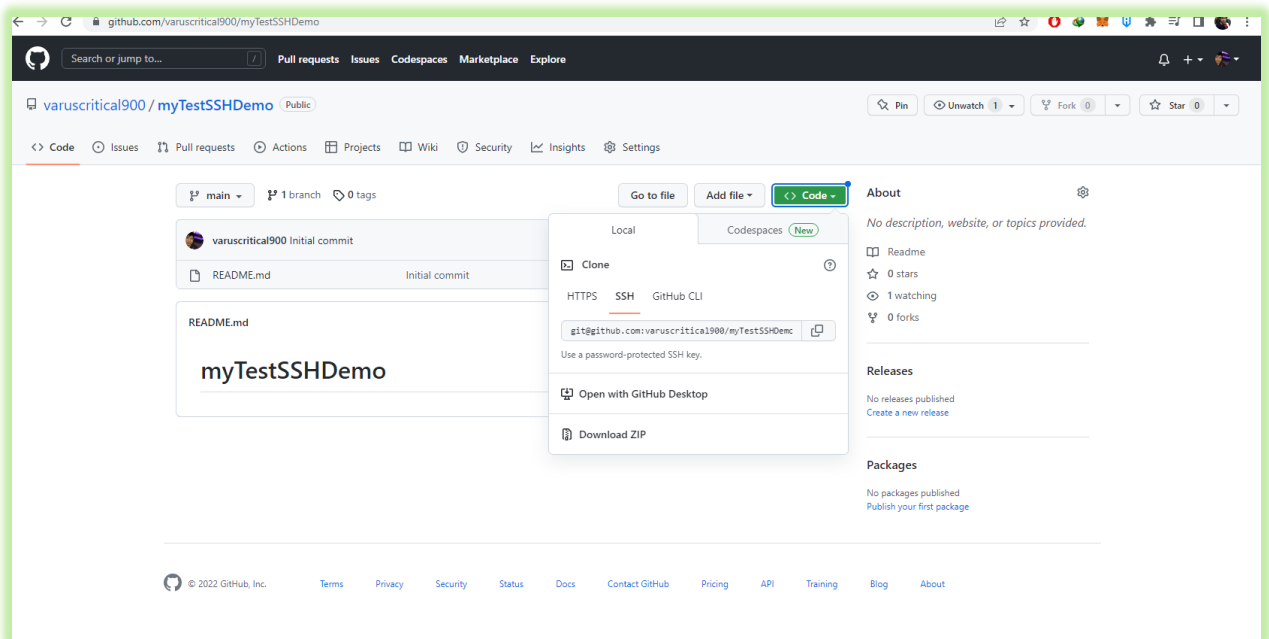
- My SSH Connection was named "publicKey" in my case. Then, in the key text area, paste the Public key file that I copied in VS Code. Then press the "Add SSH Key" button.



- Simply enter the name of your new repository, in my case "myTestSSHDemo," check "Add a ReadMe file," and then click Create Repository at the bottom.



7. In my repository, I simply click the "Code" button and copy the link in SSH key/type for cloning.



8. Let's return to GitBash Terminal before cloning. Enter the command `eval'ssh-agent'` to enable SSH connection, then use `ssh-add /[sshName]` in my case `ssh-add /kt` to add the SSH name.
9. Finally, I can clone the repository using the command `git clone [ssh link]`, which I copied in Step 7.

