(WD37) Vincent Benedict P. Yupoo

SSH Connection Hands On

1. First, I opened the GitBash Terminal to generate both public and private keys. I chose to generate the keys on my root folder.

```
Vince Lyka & Rainier@DESKTOP-VFTPLMK MINGW64 ~
$ cd

Vince Lyka & Rainier@DESKTOP-VFTPLMK MINGW64 ~
$ pwd
/c/Users/Vince Lyka & Rainier

Vince Lyka & Rainier@DESKTOP-VFTPLMK MINGW64 ~
$ |
```

2. Using the command "ssh-keygen" the private and public keys were generated successfully.

```
Vince Lyka & Rainier@DESKTOP-VFTPLMK MINGW64 ~
$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/Vince Lyka & Rainier/.ssh/id_rsa):
 vinyup
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in vinyup
Your public key has been saved in vinyup.pub
The key fingerprint is:
SHA256:WQUexfTz/uxTZZr+UGrNinlOs+AIbszif6e2O6EXCak Vince Lyka & Rainier@DESKTOP
-VFTPLMK
The key's randomart image is:
+---[RSA 3072]----+
|        o=+      |
|       . o..     |
|        o . o    |
|       o o   oo|
|        S . . .++|
|        E   =+Bo|
|       + . =oB.B|
|      . = * Oo*.|
|       ..+.ooO..o*|
+----[SHA256]-----+

Vince Lyka & Rainier@DESKTOP-VFTPLMK MINGW64 ~
$ |
```

3. I then added the public keys to my GitHub profile.
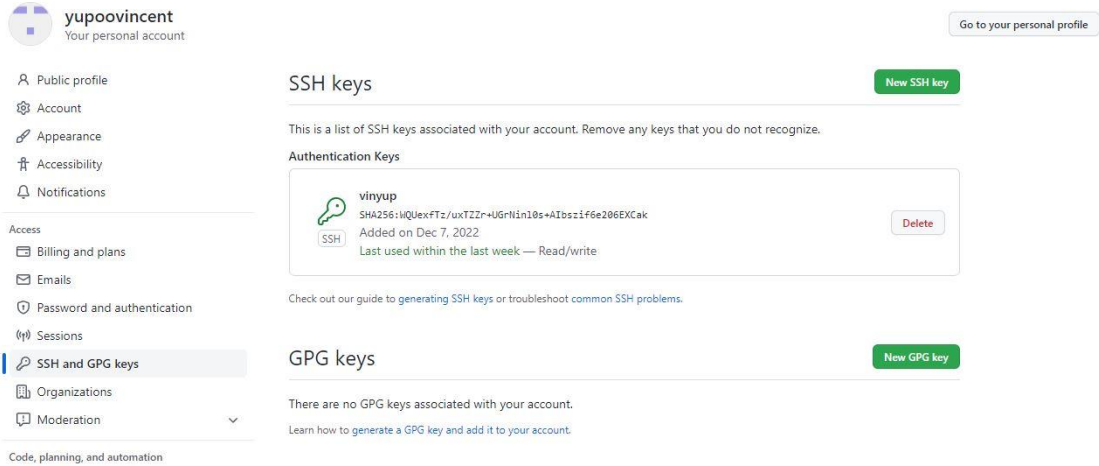
4. After adding the keys successfully, I created a new Repository to establish the SSH connection with then I copied the link.
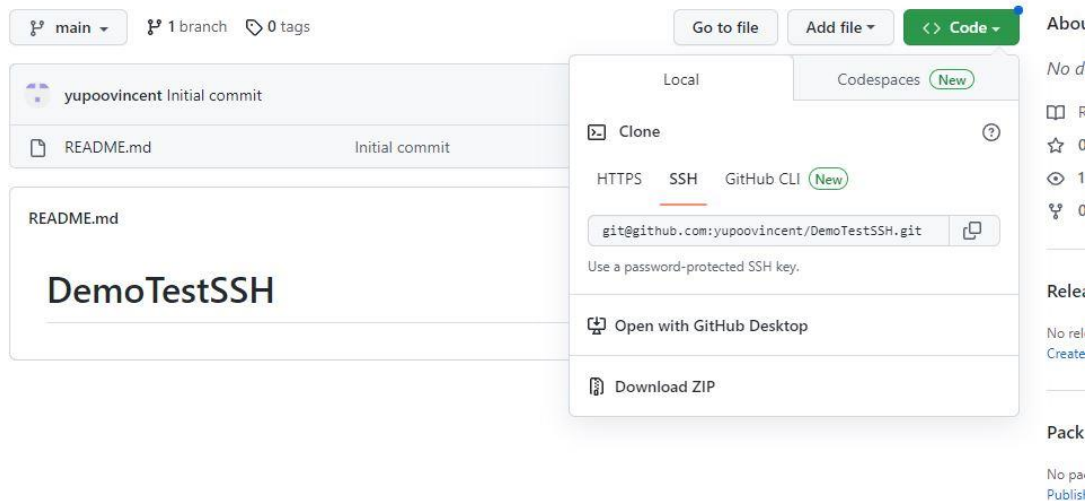
5. I enabled the SSH connection using the eval `ssh-agent` command line then added the SSH name.

6. I then successfully cloned the repository using the link that I copied on GitHub.

```
Vince Lyka & Rainier@DESKTOP-VFTPLMK MINGW64 /d/KodeGo
$ eval `ssh-agent`
Agent pid 729

Vince Lyka & Rainier@DESKTOP-VFTPLMK MINGW64 /d/KodeGo
$ ssh-add ~/vinyup
Identity added: /c/Users/Vince Lyka & Rainier/vinyup (Vince Lyka & Rainier@DESKTOP-V
FTPLMK)

Vince Lyka & Rainier@DESKTOP-VFTPLMK MINGW64 /d/KodeGo
$ git clone git@github.com:yupoovincent/DemoTestSSH.git
Cloning into 'DemoTestSSH'...
The authenticity of host 'github.com (20.205.243.166)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvvV6TuJJhbpZisF/zLDAOzPMSvHdkr4UvCOqU.
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 hosts.
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.

Vince Lyka & Rainier@DESKTOP-VFTPLMK MINGW64 /d/KodeGo
$ |
```