

# OBSERVATION REPORT

## SSH Connection Hands on

Kenneth Tan  
Batch WD37

December, 07, 2022  
Instructor: Sir Alfren

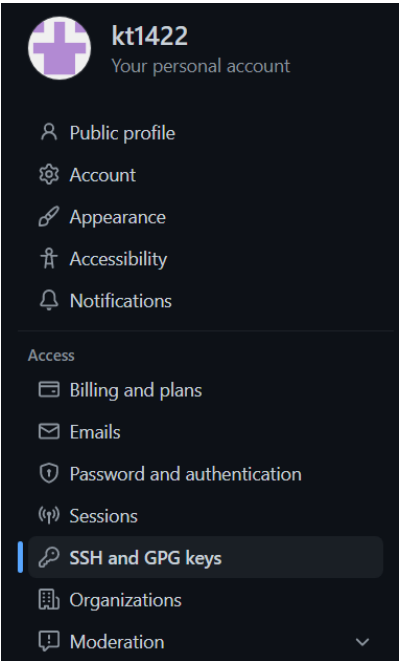
- 1. I opened the GitBash Terminal in Desktop. I also used the cd command to go root directory and pwd command to print the working directory.

```
MINGW64:/c/Users/kenne
kenne@LAPTOP-NCG4CGHR MINGW64 ~/Desktop
$ cd ~/
kenne@LAPTOP-NCG4CGHR MINGW64 ~
$ pwd
/c/Users/kenne
```

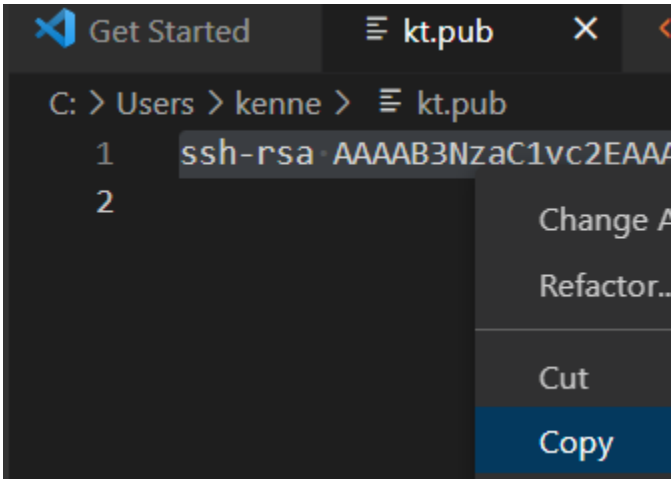
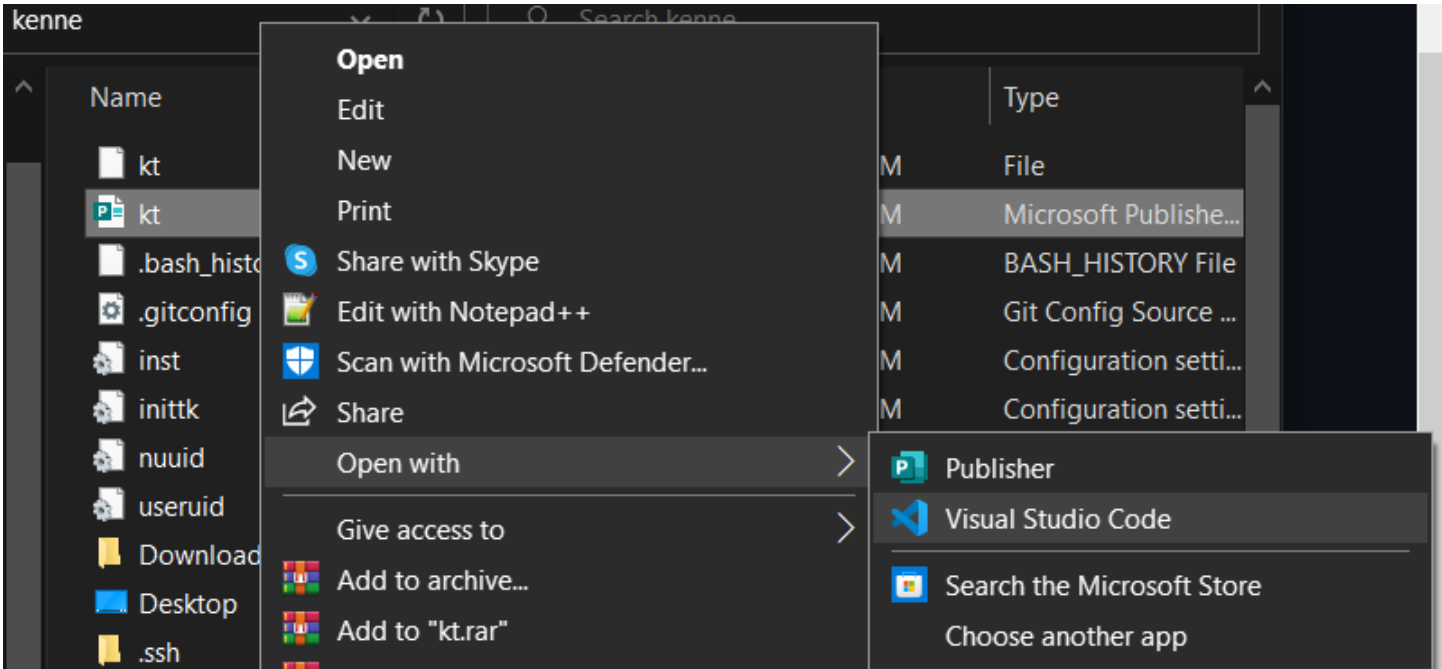
- 2. Type the command "ssh-keygen" to generate the public and private keys. In my case I named the files "kt" and I just skip the two passphrases.

```
MINGW64:/c/Users/kenne
$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/kenne/.ssh/id_rsa): kt
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in kt
Your public key has been saved in kt.pub
The key fingerprint is:
SHA256:mZsNE34yyACFknwcCKLZKcLy6dr8jH1zfEFeFW12exfw kenne@LAPTOP-NCG4CGHR
The key's randomart image is:
+---[RSA 3072]-----+
|=.++O              O|
|*==               =|
|*O+ . . .         O=|
|OO . O O + . ..E|
|  O  O S .. O|
| .      X. O|
| . . .O..O|
| + +O . . O|
| . =000 .|
+---[SHA256]-----+
```

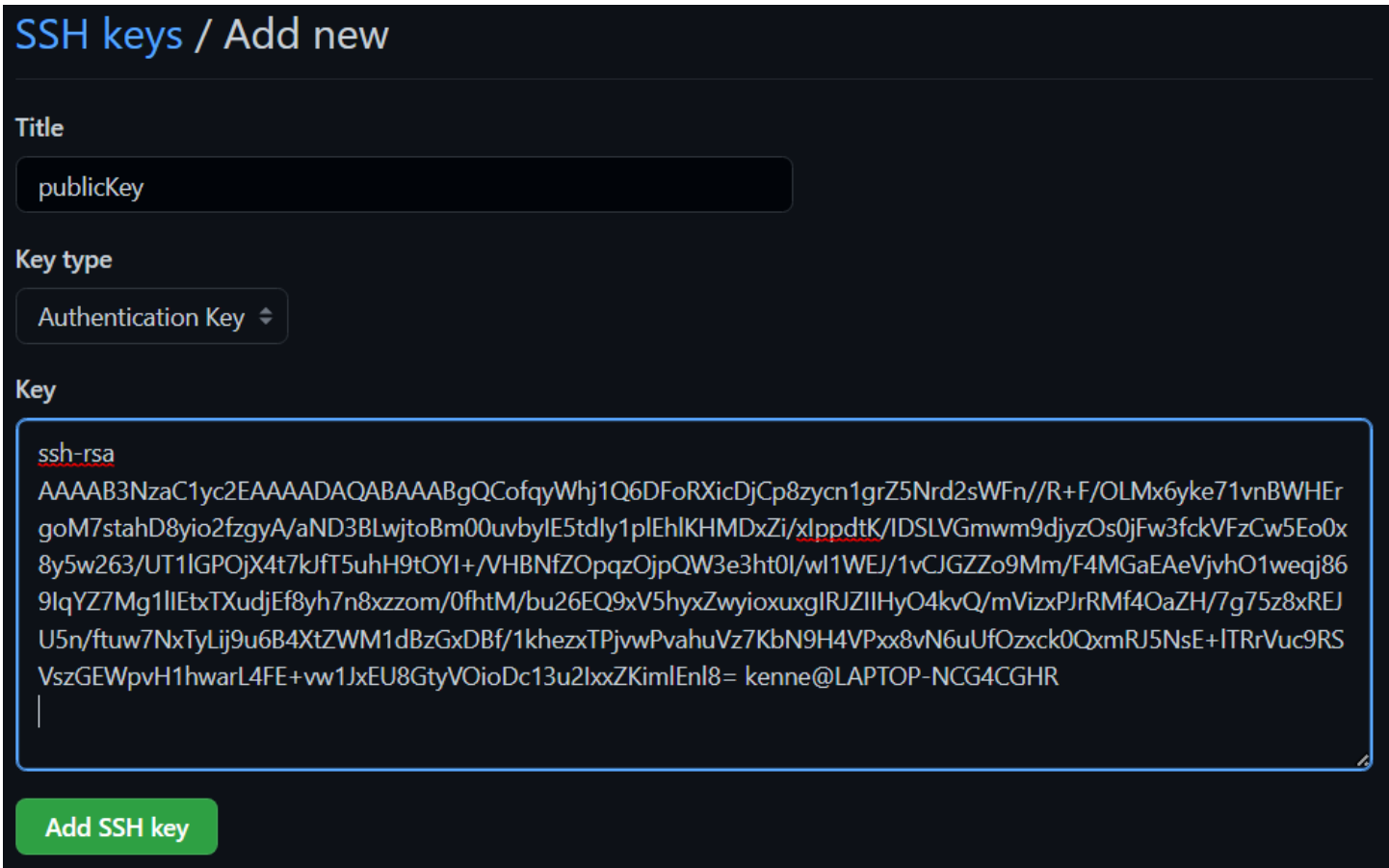
- 3. In my GitHub account, go Settings click SSH and GPG keys



4. To get my Public key, I opened the file to VS Code or you can choose any text editor. Then Ctrl + A or highlight all Copy.



5. In my case, I named my SSH Connection “publicKey”. Then Paste the Public key file that I copied in VS Code into the key text area. Then click “Add SSH Key”.



6. Just put the name of your new Repository, in my case I name mine as “SSHDemo” and check “Add a ReadMe file” then click Create Repository at the bottom.

Owner \*

kt1422

/

Repository name \*

SSHDemo

Input the name of Repository

Great repository name:

The repository SSHDemo already exists on this account.

about urban-oc

Description (optional)

☒ Public

Anyone on the internet can see this repository. You choose who can commit.

☐ Private

You choose who can see and commit to this repository.

Initialize this repository with:

Skip this step if you're importing an existing repository.

☒ Add a README file

check it for README file

This is where you can write a long description for your project. [Learn more.](#)

Add .gitignore

Choose which files not to track from a list of templates. [Learn more.](#)

7. In my Repository, I just click the “Code” and copy the link in SSH key/type for cloning purposes.

Go to file

Add file

<> Code

Local

Codespaces New

Clone

?

HTTPS

SSH

GitHub CLI

git@github.com:kt1422/SSHDemo.git

Use a password-protected SSH key.

8. Before cloning, let's go back to GitBash Terminal. Enter the command `eval `ssh-agent`` to enable SSH connection then i can add now the SSH name using `ssh-add ~/.sshName` in my case `ssh-add ~/.kt`

```
kenne@LAPTOP-NCG4CGHR MINGW64 ~
$ eval `ssh-agent`
Agent pid 2033

kenne@LAPTOP-NCG4CGHR MINGW64 ~
$ ssh-add ~/.kt
Identity added: /c/Users/kenne/kt (kenne@LAPTOP-NCG4CGHR)
```

9. Finally I can clone the repository by using `git clone [ssh link]` which is the link I copied in Step 7.

```
kenne@LAPTOP-NCG4CGHR MINGW64 ~
$ git clone git@github.com:kt1422/SSHDemo.git
Cloning into 'SSHDemo'...
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.
```

Voila! I have a copy of Repository in my computer now, to make sure let's check it in the directory.

	nuuid	9/22/2020 9:42 PM	Configuration setti...
	userid	9/22/2020 9:42 PM	Configuration setti...
	SSHDemo	12/7/2022 4:44 PM	File folder
	Downloads	Date created: 12/7/2022 4:44 PM 7 PM	File folder
	Desktop	Size: 9 bytes 2 PM	File folder

kenne > SSHDemo		Search SSHDemo	
	Name	Date modified	Type
	README	12/7/2022 4:44 PM	Markdown Source ...