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**WD-37**

## My Observation in SSH Connection

```
eLadrera@PC-1 MINGW64 ~/Desktop
$ cd ~/

eLadrera@PC-1 MINGW64 ~
$ pwd
/c/Users/ericp

eLadrera@PC-1 MINGW64 ~
$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/ericp/.ssh/id_rsa): charlesH
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in charlesH
Your public key has been saved in charlesH.pub
The key fingerprint is:
SHA256:KBTBCL9i1TEmB/oi6gFHdx43IkRy5UUMJhcXJ0UZyI eLadrera@PC-1
The key's randomart image is:
+---[RSA 3072]-----+
|o+.^%+|
|..E.A=*|
| o B+*|
|. +.O .|
|. + o... S|
|o + ..|
|..|
|. |
| |
+----[SHA256]-----+

eLadrera@PC-1 MINGW64 ~
$ |
```

In this part, I used the commands `cd ~/` and `pwd` to access the Users folder path.

And then, when I used the command `ssh-keygen` and name the file as `charlesH`, it generates both private and public key in the users folder location. And I used the public key to create a new *SSH Keys* in Github.

```
eLadrera@PC-1 MINGW64 ~/Desktop
```

```
$ eval `ssh-agent`
```

```
Agent pid 300
```

```
eLadrera@PC-1 MINGW64 ~/Desktop
```

```
$ ssh-add ~/charlesH
```

```
Identity added: /c/Users/ericp/charlesH (eLadrera@PC-1)
```

```
eLadrera@PC-1 MINGW64 ~/Desktop
```

```
$ git clone git@github.com:3N1GM4-10/testRepoDemoSSH.git
```

```
Cloning into 'testRepoDemoSSH'...
```

```
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.
```

```
eLadrera@PC-1 MINGW64 ~/Desktop
```

```
$
```

By doing so, I used the commands *eval `ssh-agent`* to checked if the SSH identity is added to make sure that I successfully create a connection.

Lastly, I used the command *git clone* and the link from the repository I created in github to checked if the connection is working.