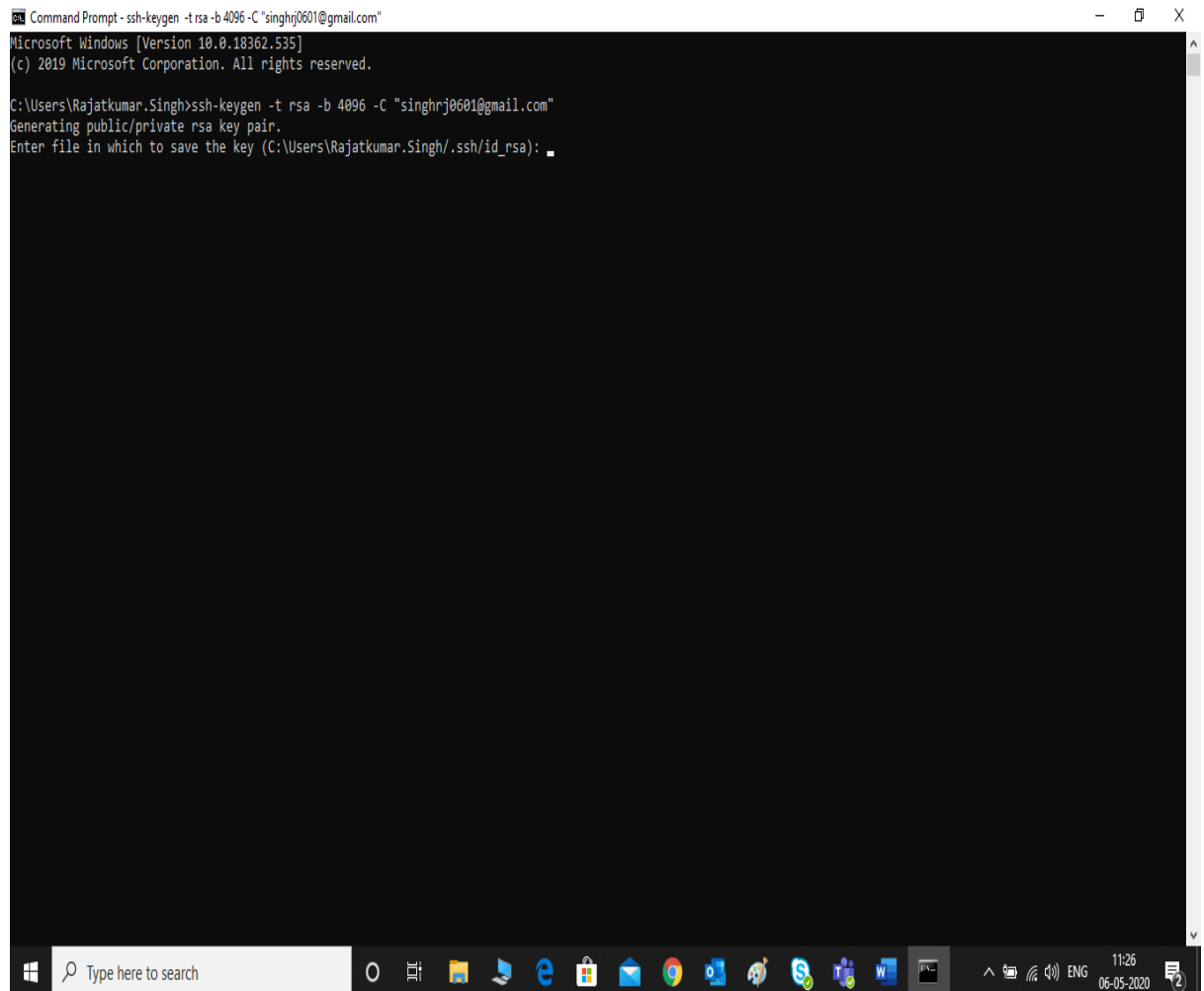


1. Open your Git bash on your default location.(I did some steps in cmd for avoiding errors you must do all this steps in Git bash)
2. Generate SSH-Key by firing `ssh-keygen -t rsa -b 4096 -C "YourGithubEmail"`. Where "t" stands for type of algorithm, "b" stands for no. of bytes and "C" stands for any new comment.

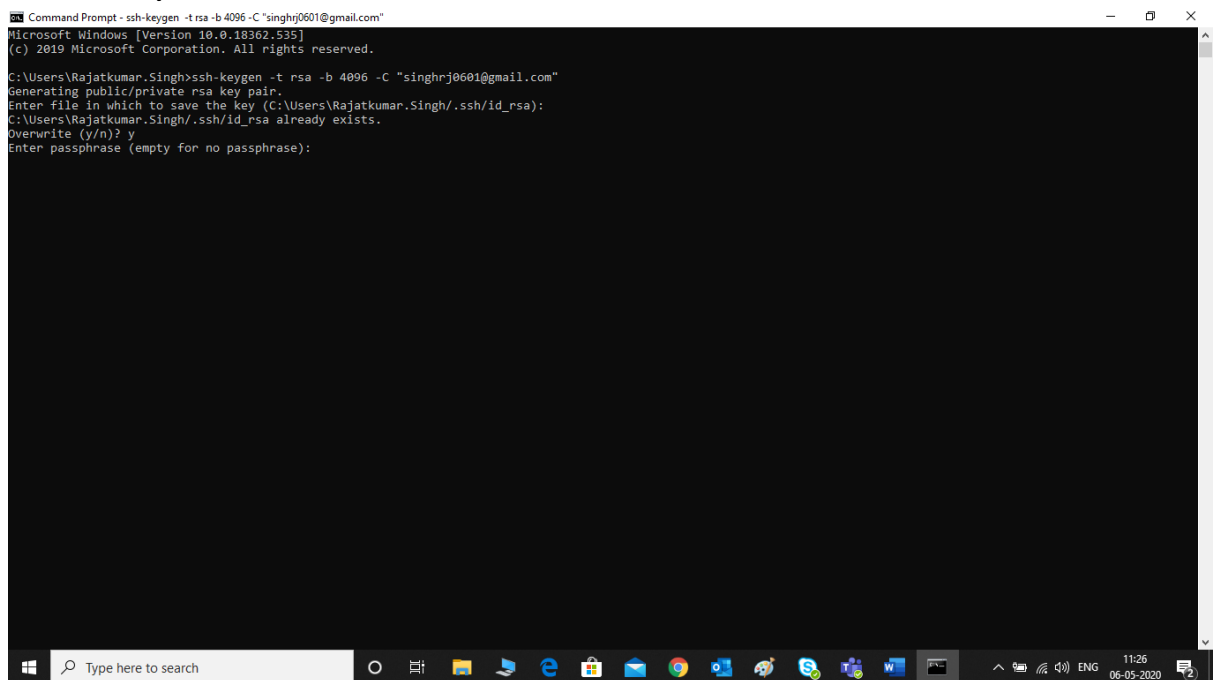


```
Command Prompt - ssh-keygen -t rsa -b 4096 -C "singhrj0601@gmail.com"
Microsoft Windows [Version 10.0.18362.535]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\RajatKumar.Singh>ssh-keygen -t rsa -b 4096 -C "singhrj0601@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\RajatKumar.Singh\.ssh\id_rsa):
```

3. On next step it will ask you for folder location where you want to store the generated key. Keep it as default and press Enter key.

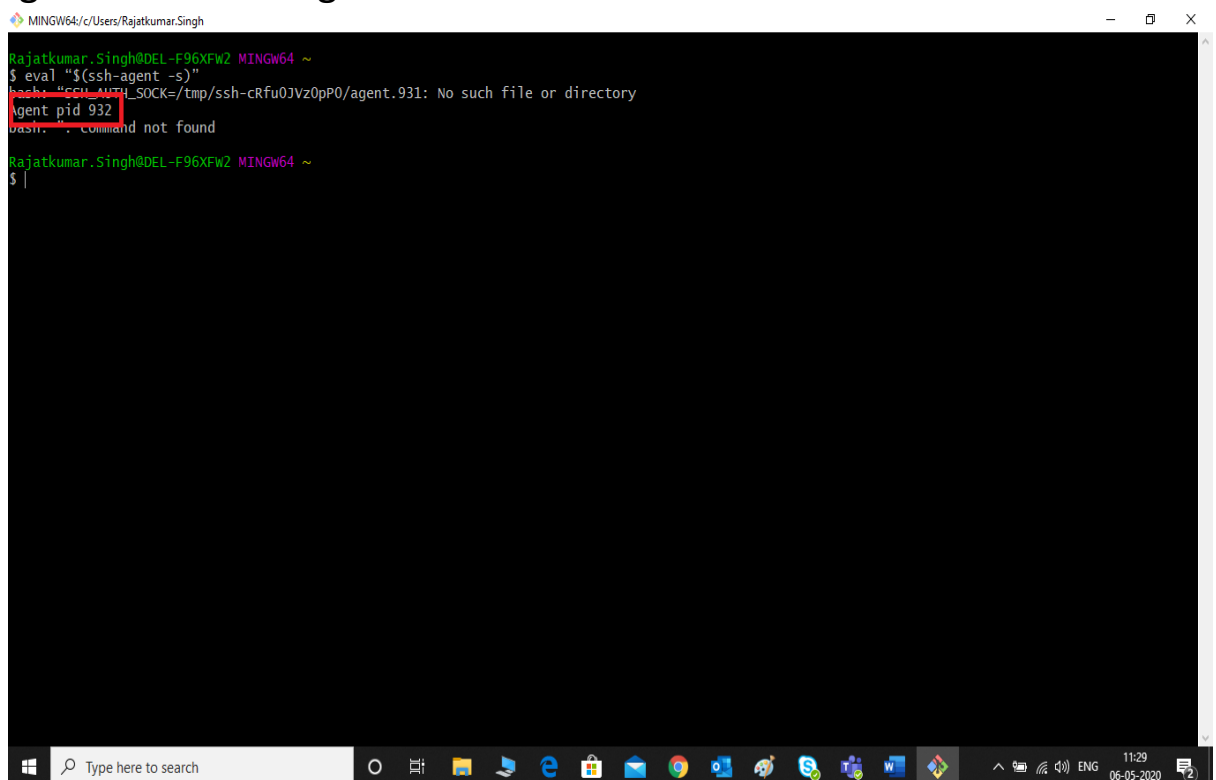
4. Then it will ask you for passphrase, put a password for that key and remember that so you can able to use it in future. Press Enter key.



```
Command Prompt - ssh-keygen -t rsa -b 4096 -C "singhrj0601@gmail.com"
Microsoft Windows [Version 10.0.18362.535]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Rajatkumar.Singh>ssh-keygen -t rsa -b 4096 -C "singhrj0601@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\Rajatkumar.Singh\.ssh\id_rsa):
C:\Users\Rajatkumar.Singh\.ssh\id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
```

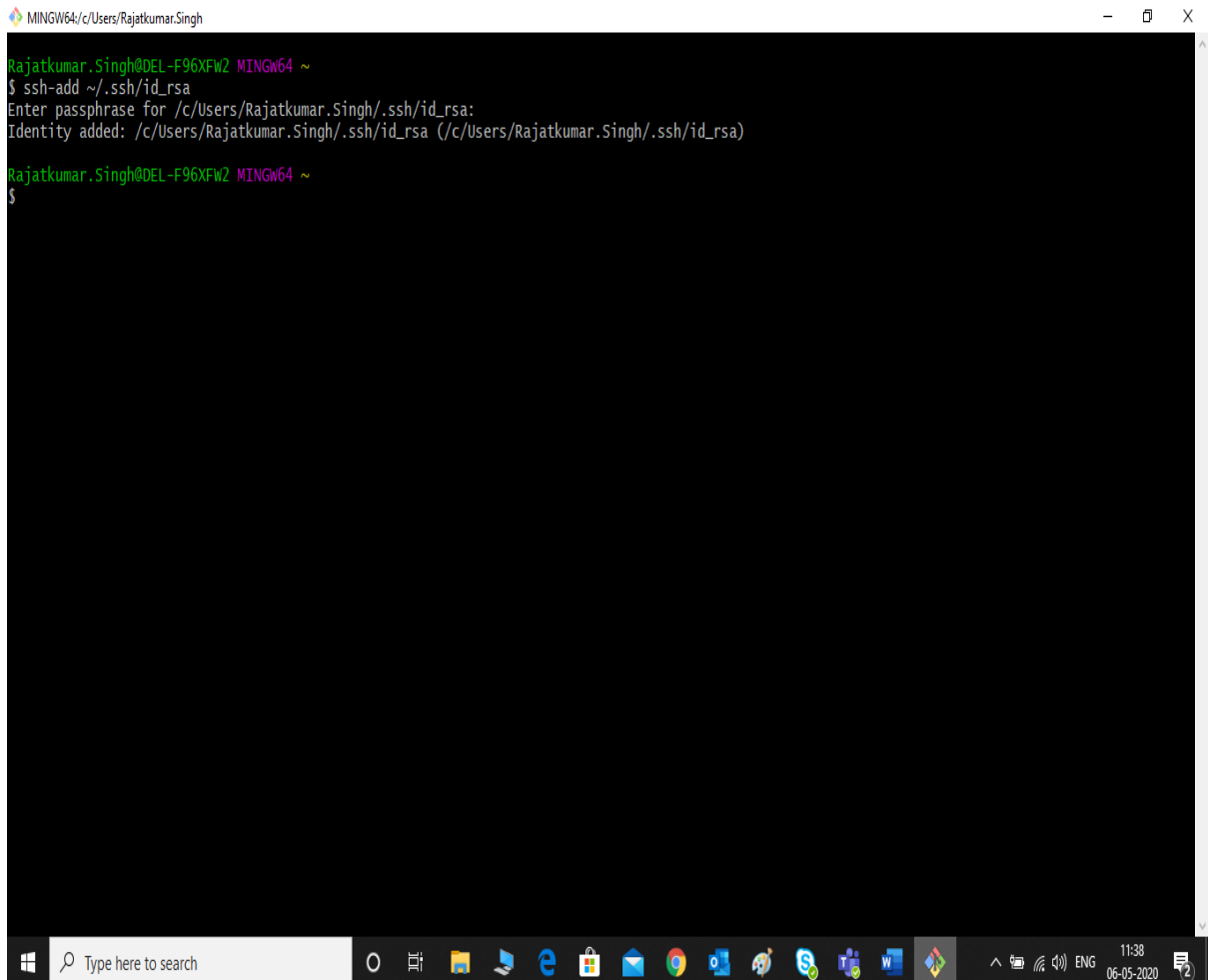
5. Your key is generated now you have to add SSh-agent configuration. For that fire a command `eval "$(ssh-agent -s)"`. Ignore the warning.



```
MINGW64/c/Users/Rajatkumar.Singh
Rajatkumar.Singh@DEL-F96XFW2 MINGW64 ~
$ eval "$(ssh-agent -s)"
Warning: ssh-agent is not installed on this system. You may want to install it. It will allow you to log in without having to type your password every time you use ssh.
agent pid 932
Warning: ssh-agent is not installed on this system. You may want to install it. It will allow you to log in without having to type your password every time you use ssh.
$
```

6. Then add this agent so for adding that agent you have to fire a command `ssh-add ~/.ssh/id_rsa` and press Enter key. In case your finding error like **Could not open a connection to your authentication agent** fire this two commands and then fire above command. After successfully giving command it will ask you for your passphrase enter the password that you provided at the time of key generation.

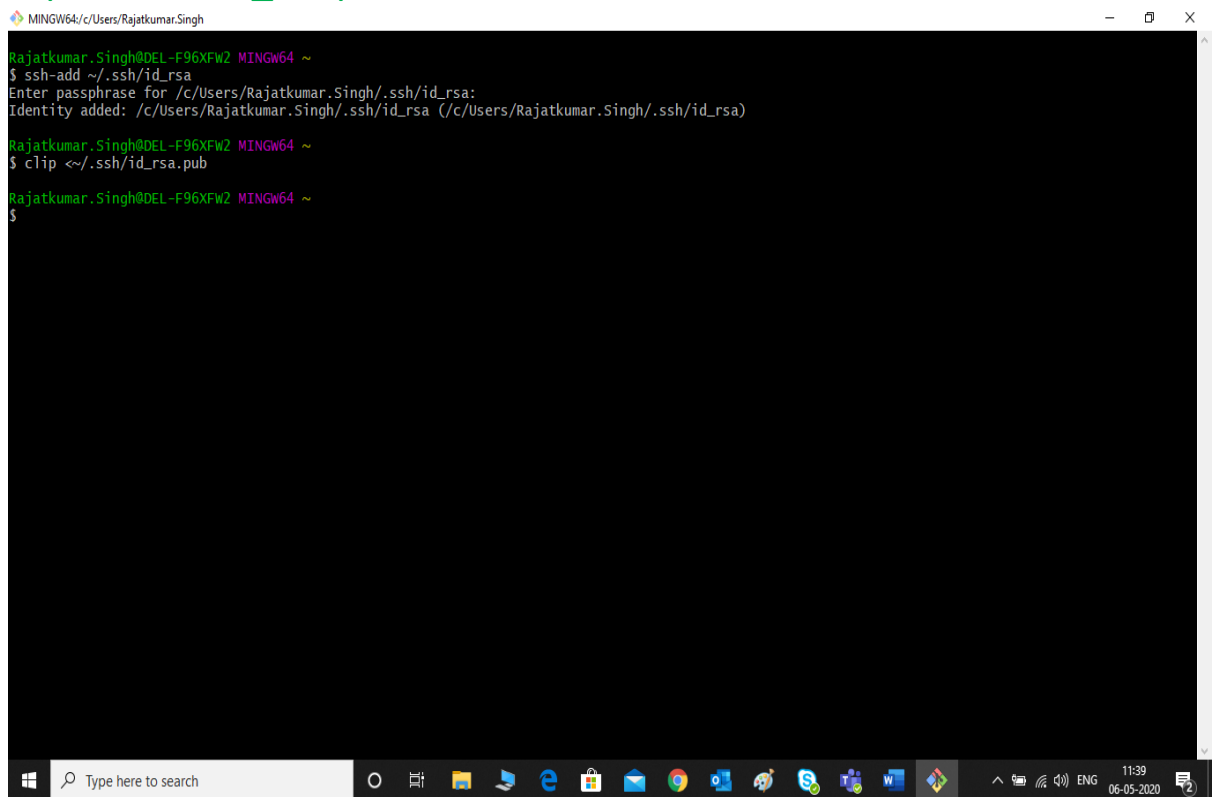
- `eval `ssh-agent -s``
- `ssh-add`



```
MINGW64/c/Users/Rajatkumar.Singh
Rajatkumar.Singh@DEL-F96XFW2 MINGW64 ~
$ ssh-add ~/.ssh/id_rsa
Enter passphrase for /c/Users/Rajatkumar.Singh/.ssh/id_rsa:
Identity added: /c/Users/Rajatkumar.Singh/.ssh/id_rsa (/c/Users/Rajatkumar.Singh/.ssh/id_rsa)
Rajatkumar.Singh@DEL-F96XFW2 MINGW64 ~
$
```

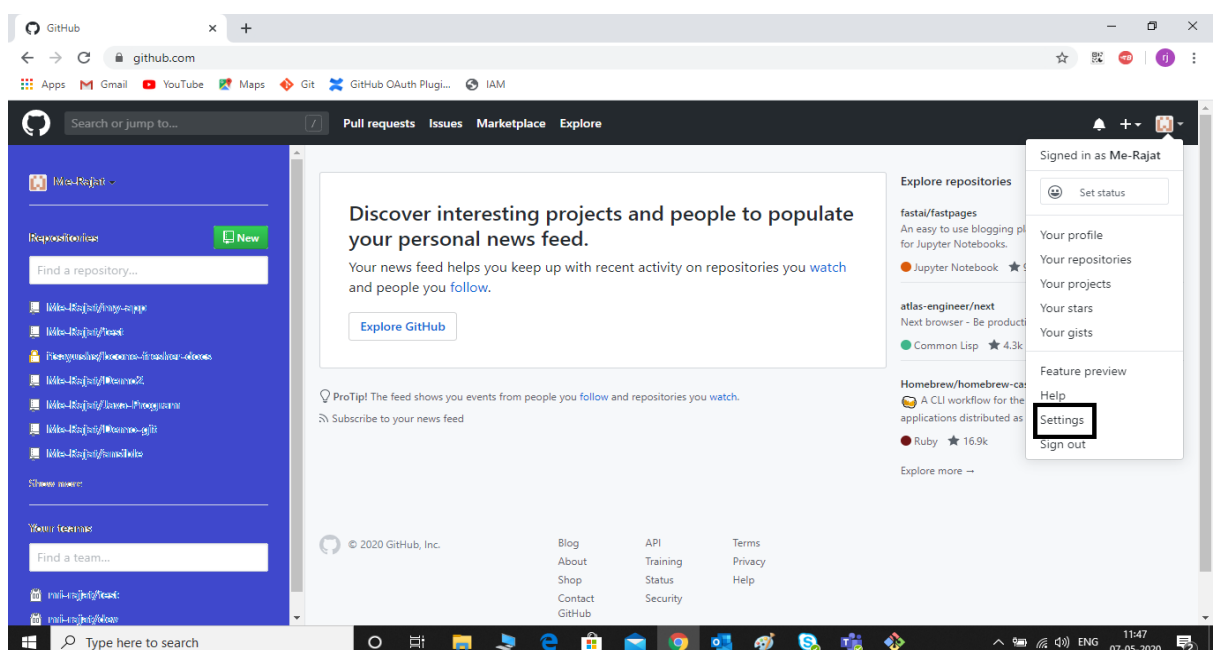
The screenshot shows a Windows command prompt window titled "MINGW64/c/Users/Rajatkumar.Singh". The user is at the prompt "Rajatkumar.Singh@DEL-F96XFW2 MINGW64 ~". They enter the command `ssh-add ~/.ssh/id_rsa`. The prompt changes to `$`. The command executes, and the user is prompted to enter a passphrase for `/c/Users/Rajatkumar.Singh/.ssh/id_rsa`. After entering the passphrase, the output is "Identity added: /c/Users/Rajatkumar.Singh/.ssh/id_rsa (/c/Users/Rajatkumar.Singh/.ssh/id_rsa)". The prompt returns to `$`. The Windows taskbar is visible at the bottom, showing the search bar and various application icons.

7. Now copy your public key by going inside .ssh folder and inside that copy id_rsa.pub or you can copy that by firing command `clip <~/ .ssh/id_rsa.pub`.

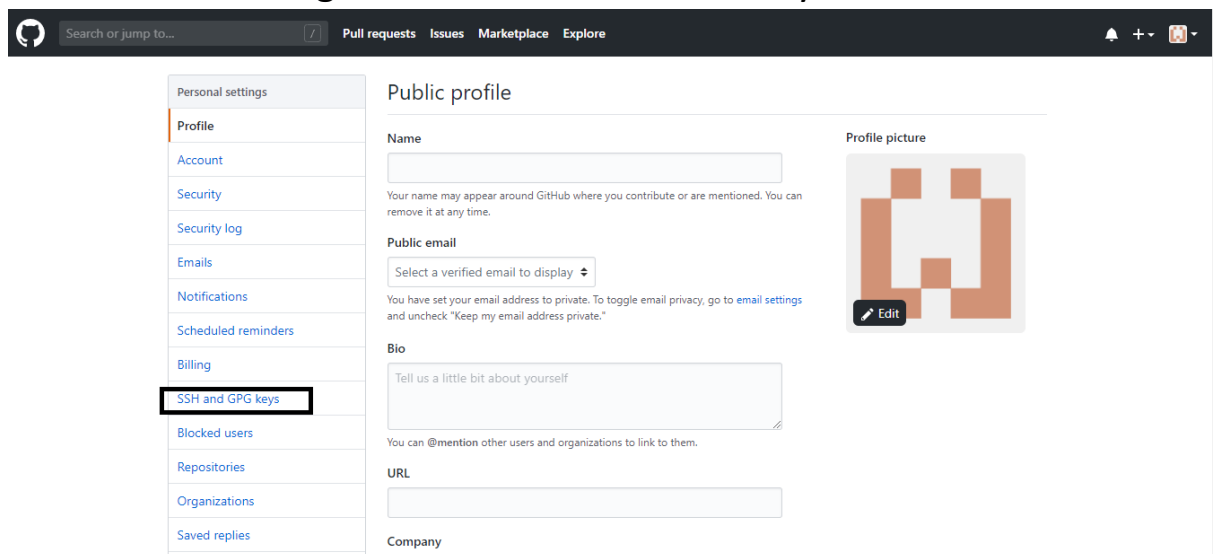


```
MINGW64/c/Users/RajatKumar.Singh
RajatKumar.Singh@DEL-F96XFW2 MINGW64 ~
$ ssh-add ~/.ssh/id_rsa
Enter passphrase for /c/Users/RajatKumar.Singh/.ssh/id_rsa:
Identity added: /c/Users/RajatKumar.Singh/.ssh/id_rsa (/c/Users/RajatKumar.Singh/.ssh/id_rsa)
RajatKumar.Singh@DEL-F96XFW2 MINGW64 ~
$ clip <~/ .ssh/id_rsa.pub
RajatKumar.Singh@DEL-F96XFW2 MINGW64 ~
$
```

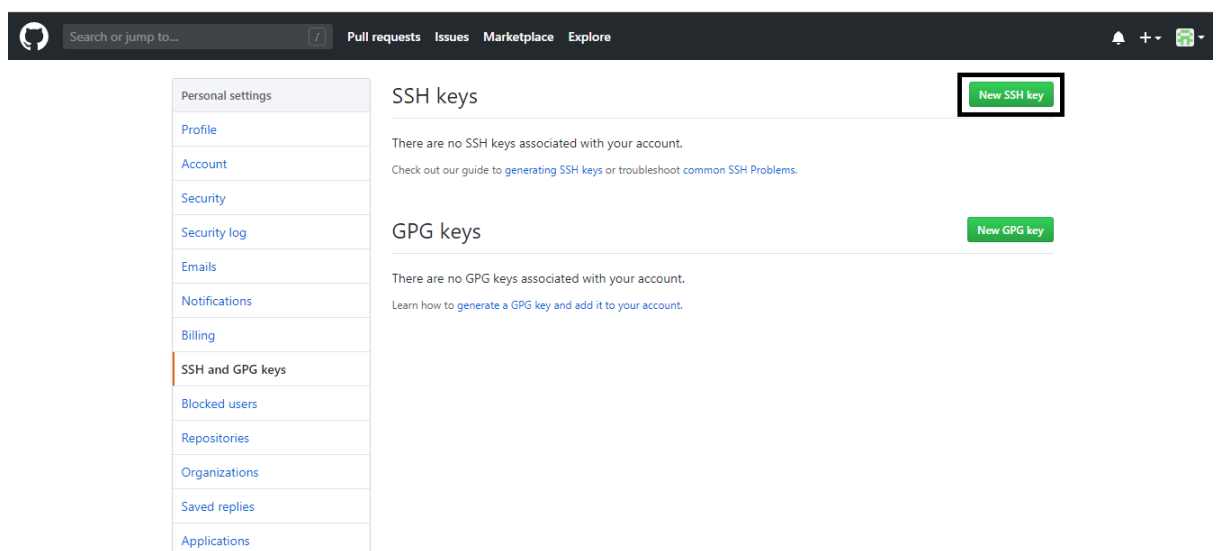
8. Now go to your Github account and login by using your login credentials
9. Inside homepage click on setting option from your top right corner.




10. Inside setting tab select SSH and CPG keys.



11. Inside SSH and CPG keys select New ssh key.






12. Write the **Title** whatever you want and then paste your public key inside **Key** option. Click on **add ssh key** and your ssh authentication is successfully added with your Github account.



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Title

Sample SSH

Key

AAAAB3NzaC1yc2EAAAADAQABAAQDelkpUgtqloky6P70k6mQMTfS4CkJHAW/OCVqlkkFQ9MpF+B4nNhvzR8CIQqEc1KT07ZoZ8z57SEqOdAbPKT25F3RYwCUck44k5ypl9EDT0P7xd9XP3R3PGjIRRRReJeO0EEJTr438RPD//Na8ITQOK9HZ8hlMLPwk+5mFQVGeH4G+eLTvETxp86dUWZbyU1+zR7/wM6OCAwvqP3Uk55Fo6ZpgOdd64tLDVU1GBQVZ2d4m5Y5CNudfpmx2fsc7Hxpd2lyNSwFZ3UZmbt0dZNRsGcjB2W9JAdOUTotqTD7EXotuemACGLH0tyiUI5XA82mjIa5E1GSePXhOTZzUFSp1U7HMfw27RQDFC8fIII/xnu3091JAS6AZ5WTrgTnAllz/QzQP1+enETLQ/5A+DC/skcwQ80LZall8fMlr1+ceGxEI+AbKucN2XQZV7nxdLvZqMOhdRY0Eurv2s+eOWVBY390vh3w6AZ5BrthYPSU91w/zdwwvSKN17/soeCS8EA+7kPKr98ag44LjvOSMq6Ey8RMfDF8UZInS7ILSrRAn7TfS+Xvav5oi5Sqbmya5NrVuvq2CI65wHZDyC5MdwysGkKdQBJbtbHfEjSpOXI+380O5K4KJmKJ6L35JW8skYFwPR3Vhq8EGStOY3aB7qnWFULR6nR6KVHn78un8X7Q== singhrij0601@gmail.com

Add SSH key