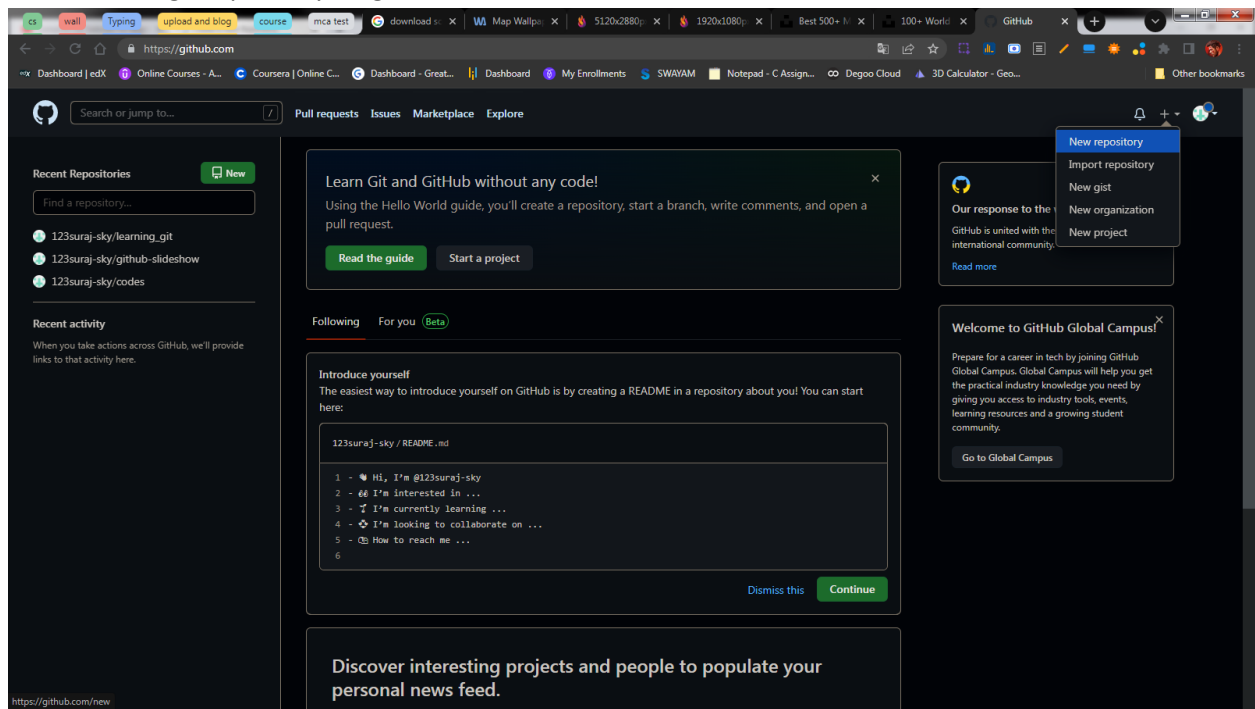
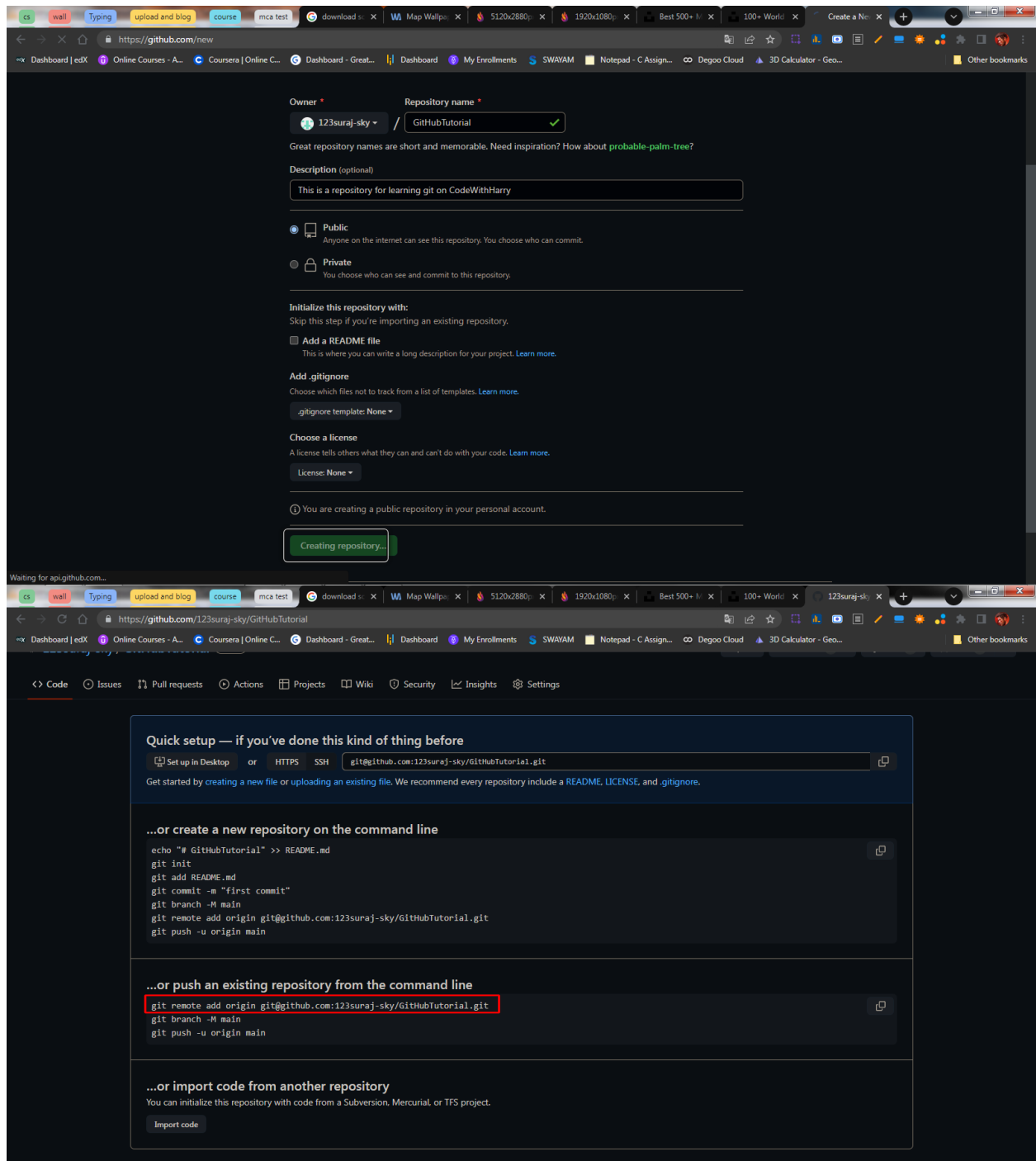


Create a new git repository on github





Now go to the folder where git repository is present in PC and paste code circled in above photo in git bash (because our git repository is already been setup or else we need to setup these) → **"git remote add origin git@github.com:123suraj-sky/GitHubTutorial.git"** → It means add our original file to github (remote) with name "origin", or we can type any name in place of "origin".

Then, type **"git remote"** to see all remote files

A terminal window with a black background and green text. The window title is 'MINGW32/e/videos/Study/cs/important/Git and github/Notes/main'. The user 'Dell@SURAJ' is in the 'master' branch. The commands and output are: '\$ git status' returns 'On branch master' and 'nothing to commit, working tree clean'; '\$ git remote add origin git@github.com:123suraj-sky/GitHubTutorial.git' adds the remote; '\$ git remote' lists 'origin'; and '\$ |' shows an empty line.

```
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git status
On branch master
nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git remote add origin git@github.com:123suraj-sky/GitHubTutorial.git

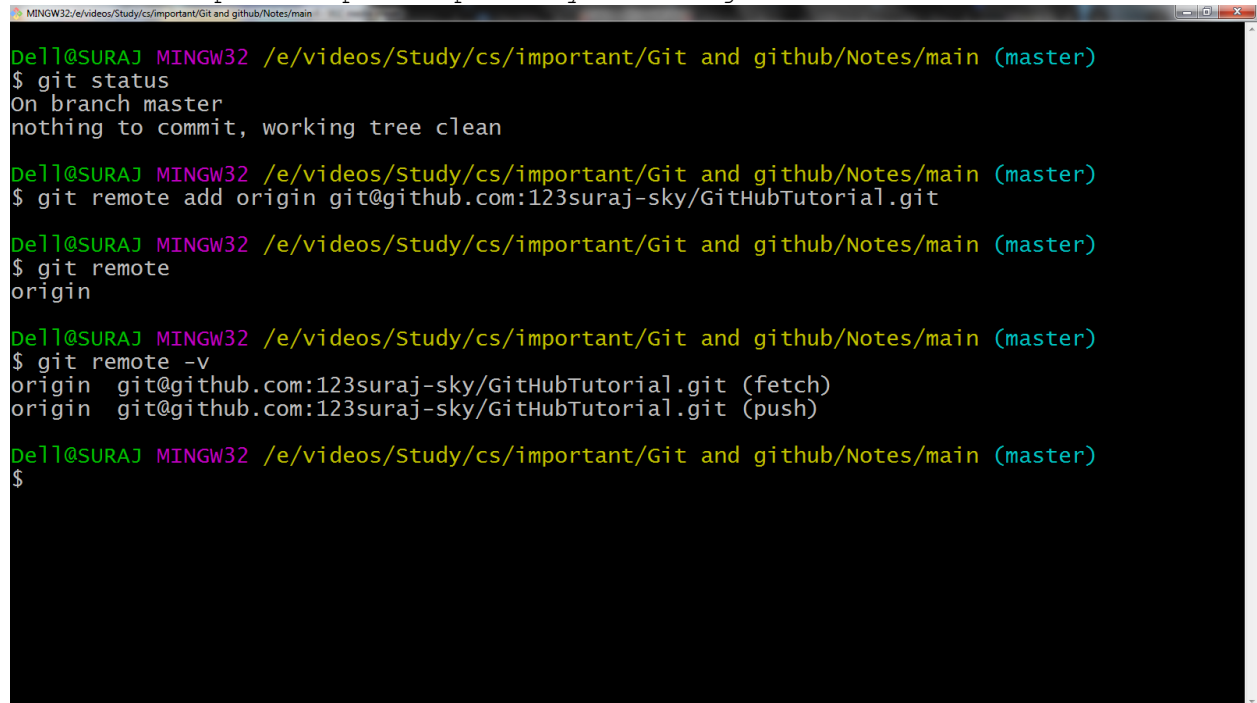
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git remote
origin

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ |
```

it tells that we have a remote named origin

The entered URL ["git@github.com:123suraj-sky/GitHubTutorial.git"](https://github.com/123suraj-sky/GitHubTutorial.git) is now called origin.

See where to push or pull repository URL → **"git remote -v"**

A terminal window with a black background and green text. The window title is 'MINGW32/e/videos/Study/cs/important/Git and github/Notes/main'. The user 'Dell@SURAJ' is in the 'master' branch. The commands and output are: '\$ git status' returns 'On branch master' and 'nothing to commit, working tree clean'; '\$ git remote add origin git@github.com:123suraj-sky/GitHubTutorial.git' adds the remote; '\$ git remote' lists 'origin'; and '\$ git remote -v' shows 'origin git@github.com:123suraj-sky/GitHubTutorial.git (fetch)' and 'origin git@github.com:123suraj-sky/GitHubTutorial.git (push)'.

```
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git status
On branch master
nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git remote add origin git@github.com:123suraj-sky/GitHubTutorial.git

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git remote
origin

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git remote -v
origin git@github.com:123suraj-sky/GitHubTutorial.git (fetch)
origin git@github.com:123suraj-sky/GitHubTutorial.git (push)

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$
```

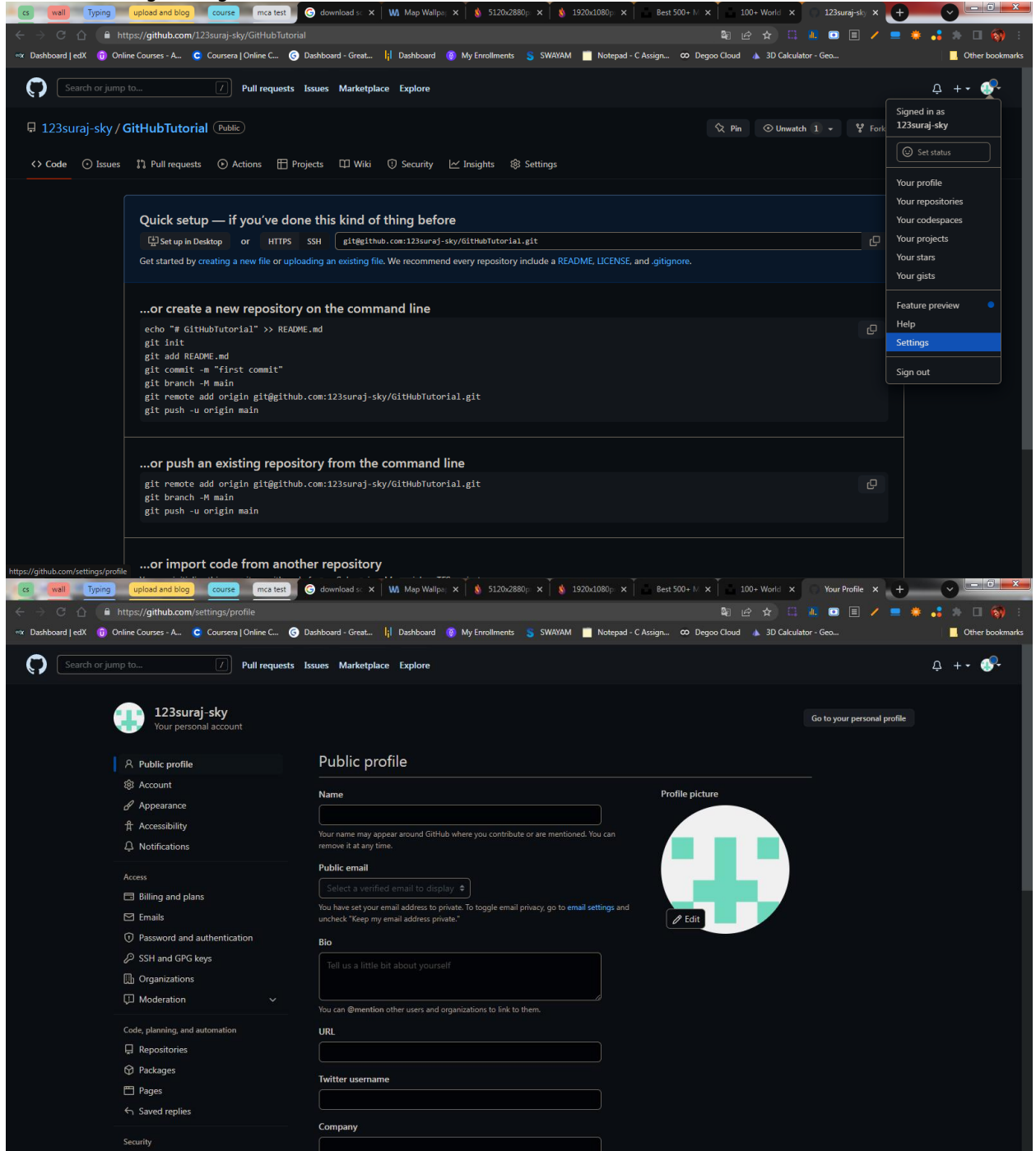
here both URL for pull and push is same but we can change it later (push in another directory and pull in another directory).

Push in any repository

Type → “git push -u origin master” to push a repository but initially it gives error saying permission denied. If here permission is given by default then anyone can add to your repository without your knowledge.

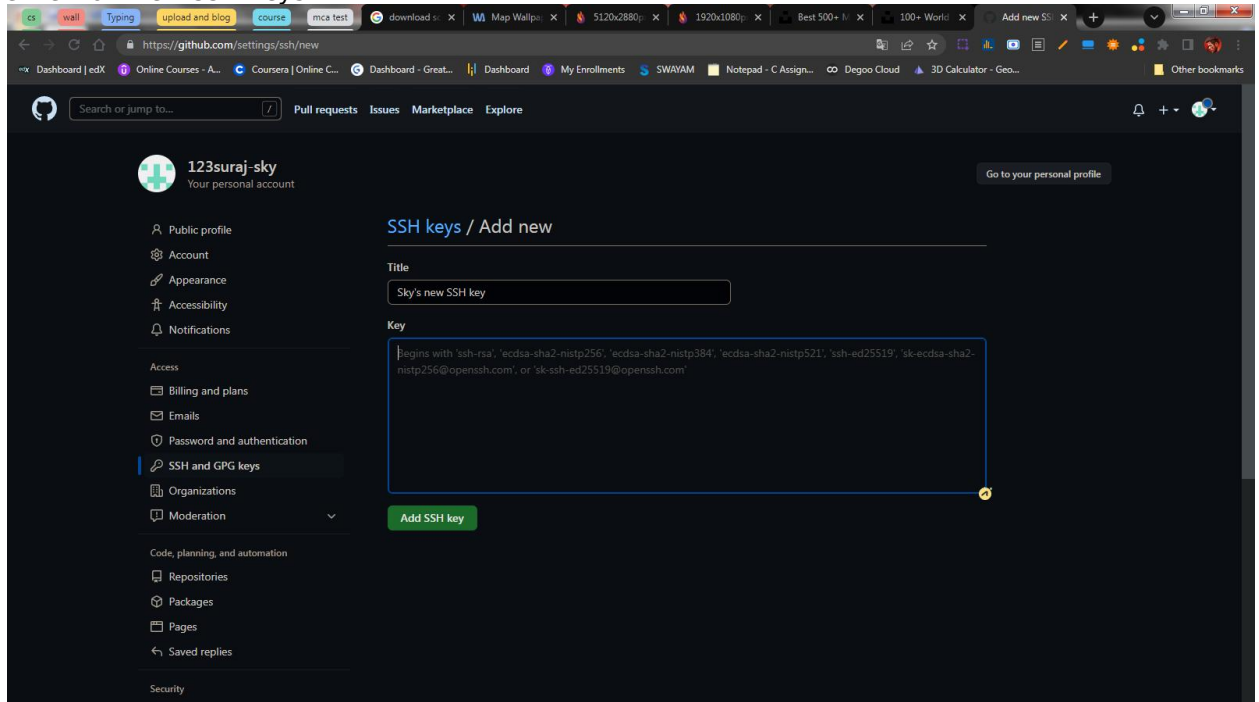
To get permission:

- 1) Go to settings in github

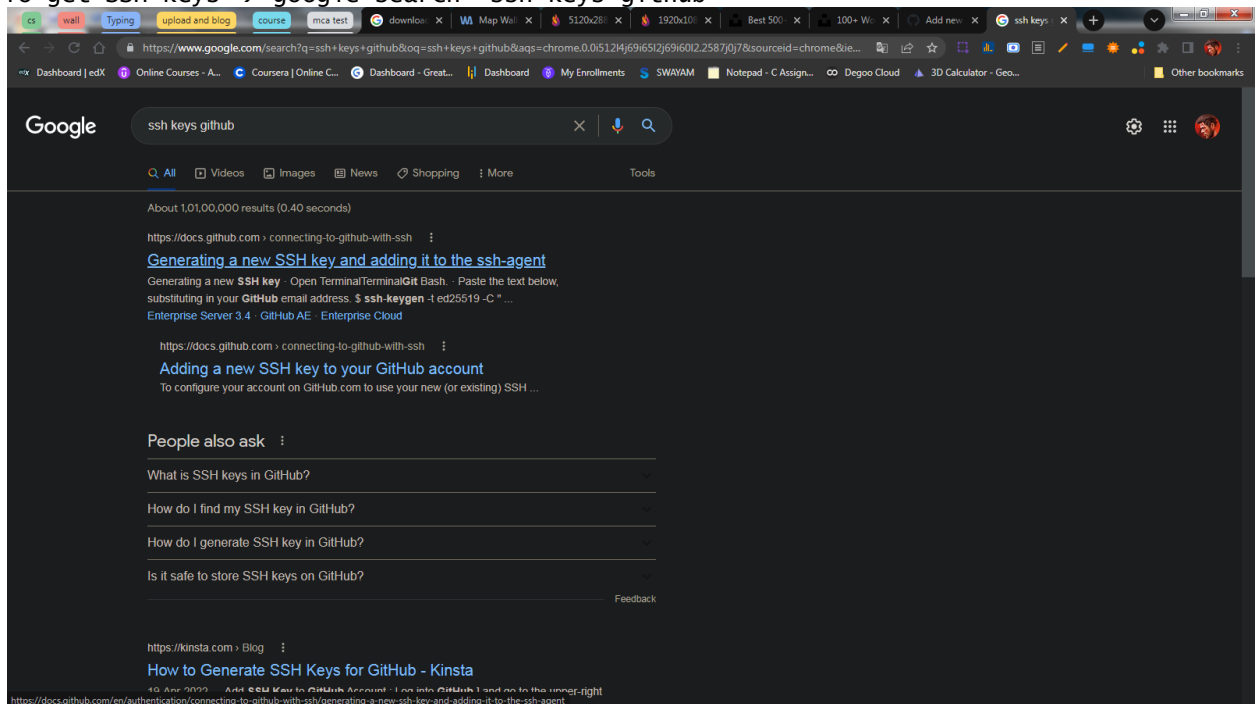


- 2) Go to SSH & GPG keys

3) click on new SSH keys



4) To get SSH keys → google search “ssh keys github”



CS wall Typing upload and blog course mca test download: x W Map Wal x 5120x28: x 1920x10: x Best 500: x 100+ W: x Add new: x Generati: x

https://docs.github.com/en/authentication/connecting-to-github-with-ssh/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent

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GitHub Docs

All products

Authentication

Account security

Secure your account with 2FA

Connect with SSH

About SSH

Check for existing SSH key

Generate new SSH key

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Test your SSH connection

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key for your hardware security key. You must connect your hardware security key to your computer when you authenticate with the key pair. For more information, see the [OpenSSH 8.2 release notes](#).

If you don't want to reenter your passphrase every time you use your SSH key, you can add your key to the SSH agent, which manages your SSH keys and remembers your passphrase.

Generating a new SSH key

- 1 Open Git Bash.
- 2 Paste the text below, substituting in your GitHub email address.

```
$ ssh-keygen -t ed25519 -C "your_email@example.com"
```

Note: If you are using a legacy system that doesn't support the Ed25519 algorithm, use:

```
$ ssh-keygen -t rsa -b 4096 -C "your_email@example.com"
```

This creates a new SSH key, using the provided email as a label.

```
> Generating public/private algorithm key pair.
```

- 1 When you're prompted to "Enter a file in which to save the key," press Enter. This accepts the default file location.

```
> Enter a file in which to save the key (/c/Users/you/.ssh/id_algorithm):[press enter]
```

In this article

- About SSH key generation
- Generating a new SSH key
- Adding your SSH key to the ssh-agent
- Generating a new SSH key for a hardware security key
- Further reading

copy paste highlighted code in git bash

```

MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git remote add origin git@github.com:123suraj-sky/GitHubTutorial.git

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git remote
origin

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git remote -v
origin git@github.com:123suraj-sky/GitHubTutorial.git (fetch)
origin git@github.com:123suraj-sky/GitHubTutorial.git (push)

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git push -u origin main
error: src refspec main does not match any
error: failed to push some refs to 'github.com:123suraj-sky/GitHubTutorial.git'

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ $ ssh-keygen -t ed25519 -C "your_email@example.com"
bash: $: command not found

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ $ ssh-keygen -t ed25519 -C "your_email@example.com"
bash: $: command not found

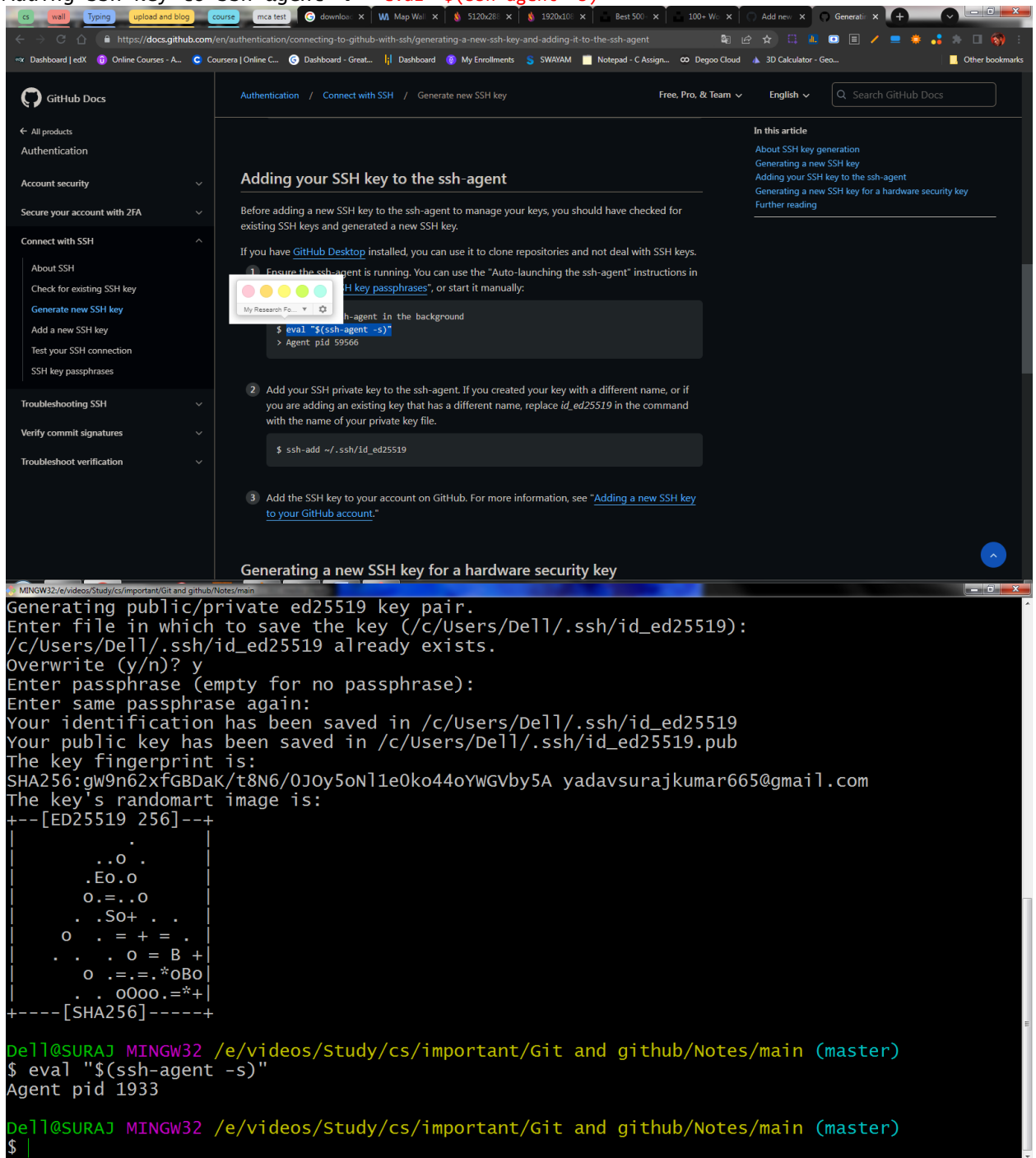
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ ssh-keygen -t ed25519 -C "yadavsurajkumar665@gmail.com"
bash: $: command not found

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ ssh-keygen -t ed25519 -C "yadavsurajkumar665@gmail.com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/Dell/.ssh/id_ed25519):
/c/Users/Dell/.ssh/id_ed25519 already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/Dell/.ssh/id_ed25519
Your public key has been saved in /c/Users/Dell/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:gw9n62xfGBDak/t8N6/0J0y5oN1e0ko44oYWGvby5A yadavsurajkumar665@gmail.com
The key's randomart image is:
+--[ED25519 256]--+
|      .            |
|    ..O .          |
|   .EO.o           |
|  o.=..o           |
|   .So+ . .        |
| o . . = + = .     |
| . . . o = B +     |
|  o . = . *oBo     |
| . . oOoo.=*+      |
+----[SHA256]-----+

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ |

```

5) Adding ssh key to ssh agent → "eval "\$(ssh-agent -s)"



The image shows a browser window displaying the GitHub Docs page for "Adding your SSH key to the ssh-agent". The page includes instructions on how to add a new SSH key to the ssh-agent, including steps for generating a new SSH key and adding it to the agent. A terminal window is open in the foreground, showing the execution of the command `eval "$(ssh-agent -s)"` and the output `Agent pid 1933`.

GitHub Docs: Adding your SSH key to the ssh-agent

Before adding a new SSH key to the ssh-agent to manage your keys, you should have checked for existing SSH keys and generated a new SSH key.

If you have [GitHub Desktop](#) installed, you can use it to clone repositories and not deal with SSH keys.

1. Ensure the ssh-agent is running. You can use the "Auto-launching the ssh-agent" instructions in the [SSH key passphrases](#) article, or start it manually:


```
$ eval "$(ssh-agent -s)"
> Agent pid 59566
```
2. Add your SSH private key to the ssh-agent. If you created your key with a different name, or if you are adding an existing key that has a different name, replace `id_ed25519` in the command with the name of your private key file.


```
$ ssh-add ~/.ssh/id_ed25519
```
3. Add the SSH key to your account on GitHub. For more information, see ["Adding a new SSH key to your GitHub account."](#)

Generating a new SSH key for a hardware security key

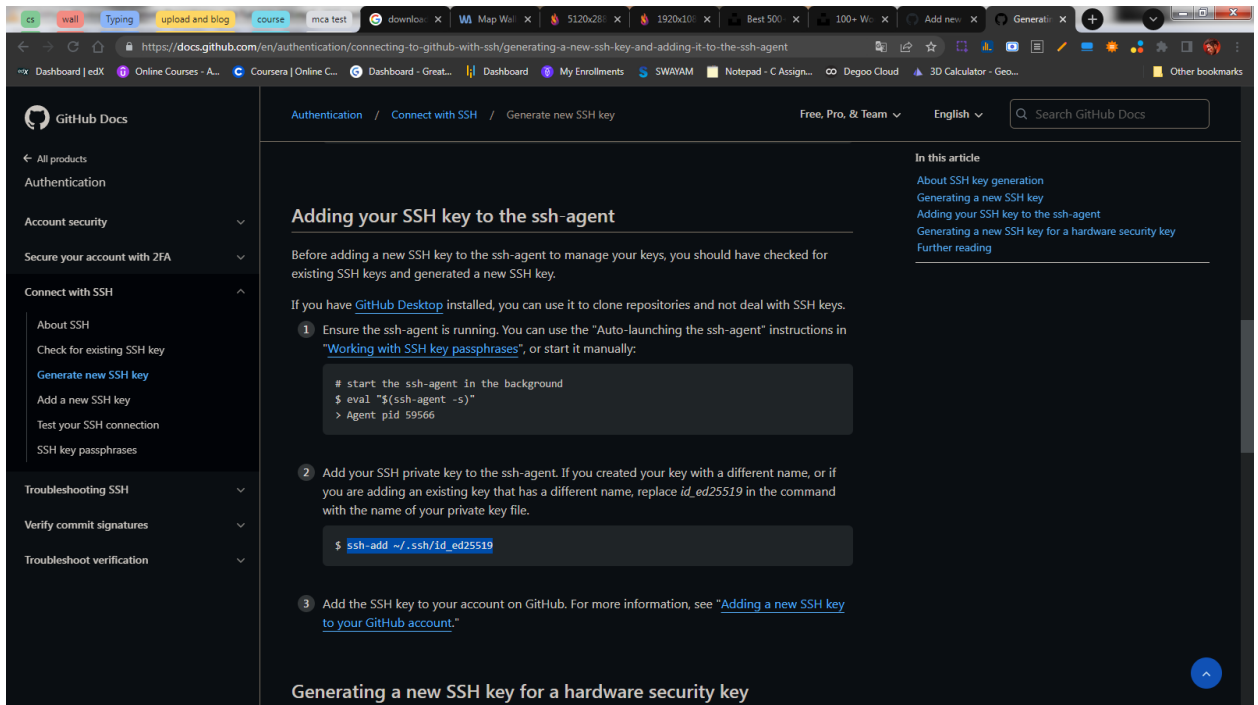
Terminal Output:

```
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/Dell/.ssh/id_ed25519):
/c/Users/Dell/.ssh/id_ed25519 already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/Dell/.ssh/id_ed25519
Your public key has been saved in /c/Users/Dell/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:gw9n62xfGBDaK/t8N6/0J0y5oN1le0ko44oYWGvby5A yadavsura.jkumar665@gmail.com
The key's randomart image is:
+---[ED25519 256]---+
|      .o.      |
|    .Eo.o     |
|  o.=..o      |
|   .So+ . .   |
| o . = + = .  |
| . . o = B +  |
| o . = . * o B |
| . . oOoo.=*+ |
+-----[SHA256]-----+

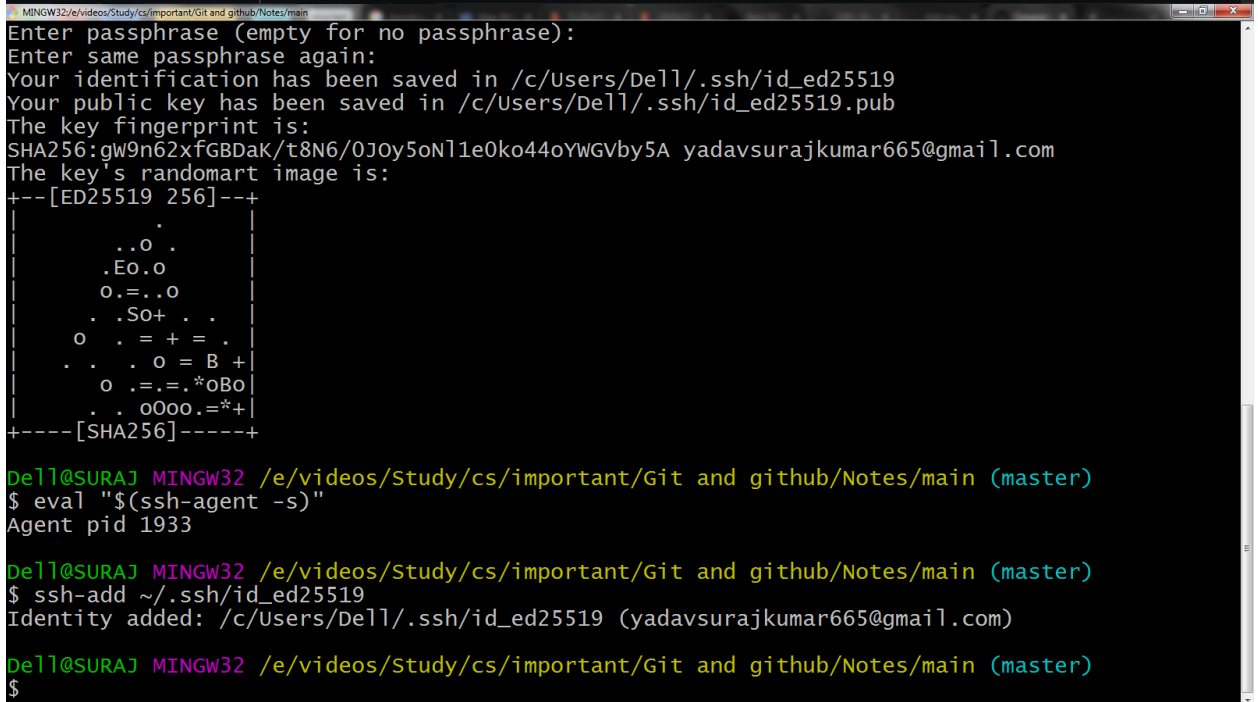
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ eval "$(ssh-agent -s)"
Agent pid 1933

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ |
```

6)



7)



GitHub Docs

Authentication / Connect with SSH / Generate new SSH key

Adding your SSH key to the ssh-agent

Before adding a new SSH key to the ssh-agent to manage your keys, you should have checked for existing SSH keys and generated a new SSH key.

If you have [GitHub Desktop](#) installed, you can use it to clone repositories and not deal with SSH keys.

- 1 Ensure the ssh-agent is running. You can use the "Auto-launching the ssh-agent" instructions in [Working with SSH key passphrases](#), or start it manually:

```
# start the ssh-agent in the background
$ eval "$(ssh-agent -s)"
> Agent pid 59566
```

- 2 Add your SSH private key to the ssh-agent. If you created your key with a different name, or if you are adding an existing key that has a different name, replace `id_ed25519` in the command with the name of your private key file.

```
$ ssh-add ~/.ssh/id_ed25519
```

- 3 Add the SSH key to your account on GitHub. For more information, see [Adding a new SSH key to your GitHub account](#).

Generating a new SSH key for a hardware security key

If you are using macOS or Linux, you may need to update your SSH client or install a new SSH client prior to generating a new SSH key. For more information, see [Error: Unknown key type](#).

In this article

- About SSH key generation
- Generating a new SSH key
- Adding your SSH key to the ssh-agent
- Generating a new SSH key for a hardware security key
- Further reading

8) Type "tail -f /dev/null" and paste code highlighted in ss

GitHub Docs

Authentication / Connect with SSH / Add a new SSH key

Note: GitHub improved security by dropping older, insecure key types on March 15, 2022. As of that date, DSA keys (`ssh-dss`) are no longer supported. You cannot add new DSA keys to your personal account on GitHub.com.

RSA keys (`ssh-rsa`) with a `valid_after` before November 2, 2021 may continue to use any signature algorithm. RSA keys generated after that date must use a SHA-2 signature algorithm. Some older clients may need to be upgraded in order to use SHA-2 signatures.

- 1 Copy the SSH public key to your clipboard.

If your SSH public key file has a different name than the example code, modify the filename to match your current setup. When copying your key, don't add any newlines or whitespace.

```
$ clip < ~/.ssh/id_ed25519.pub
# Copies the contents of the id_ed25519.pub file to your clipboard
```

Tip: If `clip` isn't working, you can locate the hidden `._ssh` folder, open the file in your favorite text editor, and copy it to your clipboard.

- 2 In the upper-right corner of any page, click your profile photo, then click Settings.

Signed in as octocat

Set status

```

MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
SHA256:gW9n62xfGBDaK/t8N6/0J0y5oN1le0ko44oYwGVby5A yadavsurajkumar665@gmail.com
The key's randomart image is:
+---[ED25519 256]---+
|      .      |
|    ..o .    |
|   .Eo.o     |
|  o.=..o     |
|   .So+ . .  |
| o . = + = . |
| . . . o = B +|
| o . = . *oBo|
| . . oOoo.=*+|
+-----[SHA256]-----+

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ eval "$(ssh-agent -s)"
Agent pid 1933

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ ssh-add ~/.ssh/id_ed25519
Identity added: /c/Users/Dell/.ssh/id_ed25519 (yadavsurajkumar665@gmail.com)

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ tail ~/.ssh/id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIIJUZ33ty4I6m/AO31jLn3UmPzLJ+psW1iSHycmZJs+m yadavsurajku
mar665@gmail.com

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$

```

10)
11) Copy and paste following in github

```

MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
|   .Eo.o     |
|  o.=..o     |
|   .So+ . .  |
| o . = + = . |
| . . . o = B +|
| o . = . *oBo|
| . . oOoo.=*+|
+-----[SHA256]-----+

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ eval "$(ssh-agent -s)"
Agent pid 1933

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ ssh-add ~/.ssh/id_ed25519
Identity added: /c/Users/Dell/.ssh/id_ed25519 (yadavsurajkumar665@gmail.com)

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ tail ~/.ssh/id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIIJUZ33ty4I6m/AO31jLn3UmPzLJ+psW1iSHycmZJs+m yadavsurajku
mar665@gmail.com

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ tail ~/.ssh/id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIIJUZ33ty4I6m/AO31jLn3UmPzLJ+psW1iSHycmZJs+m yadavsurajku
mar665@gmail.com

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ |

```

cs wall Typing upload and blog course mca test download: x Map Wall: x 5120x28: x 1920x10: x Best 500: x 100+ W: x Add new: x Adding: x

https://github.com/settings/ssh/new

Dashboard | edX | Online Courses - A... | Coursera | Online C... | Dashboard - Great... | Dashboard | My Enrollments | SWAYAM | Notepad - C Assign... | Degoo Cloud | 3D Calculator - Geo... | Other bookmarks

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123suraj-sky
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Accessibility
Notifications

SSH and GPG keys

SSH keys / Add new

Title
Sky's new SSH key

Key
ssh-ed25519 AAAAC3NzaC1lZD11NTE5AAAAIUZ33ty4l6m/AO31jLn3UmPzLJ+psW1iSHycmzls+m

Add SSH key

cs wall Typing upload and blog course mca test download: x Map Wall: x 5120x28: x 1920x10: x Best 500: x 100+ W: x SSH and x Adding: x

https://github.com/settings/keys

Dashboard | edX | Online Courses - A... | Coursera | Online C... | Dashboard - Great... | Dashboard | My Enrollments | SWAYAM | Notepad - C Assign... | Degoo Cloud | 3D Calculator - Geo... | Other bookmarks

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123suraj-sky
Your personal account

Public profile
Account
Appearance
Accessibility
Notifications

SSH and GPG keys

SSH keys

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

Suraj's Personal Computer SHA256: OQJh815g80Kvxe8132v9DUL3/+T1/yecRZhbaRt5zky Added on May 5, 2021 Last used within the last 12 months — Read/write	Delete
Sky's new SSH key SHA256: g4hm62xF8BDaK/18N6/03OySoN11e8ko44oYAGVbySA Added on Apr 30, 2022 Never used — Read/write	Delete

Check out our guide to [generating SSH keys](#) or [troubleshoot common SSH problems](#).

GPG keys

There are no GPG keys associated with your account.
[Learn how to generate a GPG key and add it to your account.](#)

Vigilant mode

Now we run command to push files “git push -u origin master”

```
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git remote -v
origin  git@github.com:123suraj-sky/GitHubTutorial.git (fetch)
origin  git@github.com:123suraj-sky/GitHubTutorial.git (push)

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git remote add origin git@github.com:123suraj-sky/GitHubTutorial.git
error: remote origin already exists.

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git push -u origin master
Enumerating objects: 163, done.
Counting objects: 100% (163/163), done.
Delta compression using up to 2 threads
Compressing objects: 100% (156/156), done.
Writing objects: 100% (163/163), 85.89 KiB | 1.28 MiB/s, done.
Total 163 (delta 19), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (19/19), done.
To github.com:123suraj-sky/GitHubTutorial.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ |
```