



The GitHub Octocat mascot is a large, stylized octopus-like creature with a purple body and a light blue face. It has large, round eyes and a small, curved smile. The Octocat is positioned in the center of the image, with its arms and legs spread out. The background is a dark blue gradient with a pattern of glowing, colorful code snippets in various colors (red, green, blue, yellow).

GIT HUB

A developer's best friend.



What is git?

1. Distributed Version Control System.
2. Open Source.
3. A hub.
4. Collaboration.
5. Not a github.



An illustration of Octocat, the GitHub mascot, a black cat-like creature with large white eyes, wearing a black and orange spacesuit with a backpack and holding a wrench. The background is dark blue with a network of white nodes and lines, and scattered red gears and petals.

What is github?

1. Hosting services for git repos.
2. Free-tier or Pay-for-use
3. Hosted of Web.
4. A service.
5. Github pages.

INSTALLATION & SETUP

1. Availability :

```
$ git --version
```

2. Installing git :

git-scm.com

3. Create an account :

github.com

4. Connecting an account :

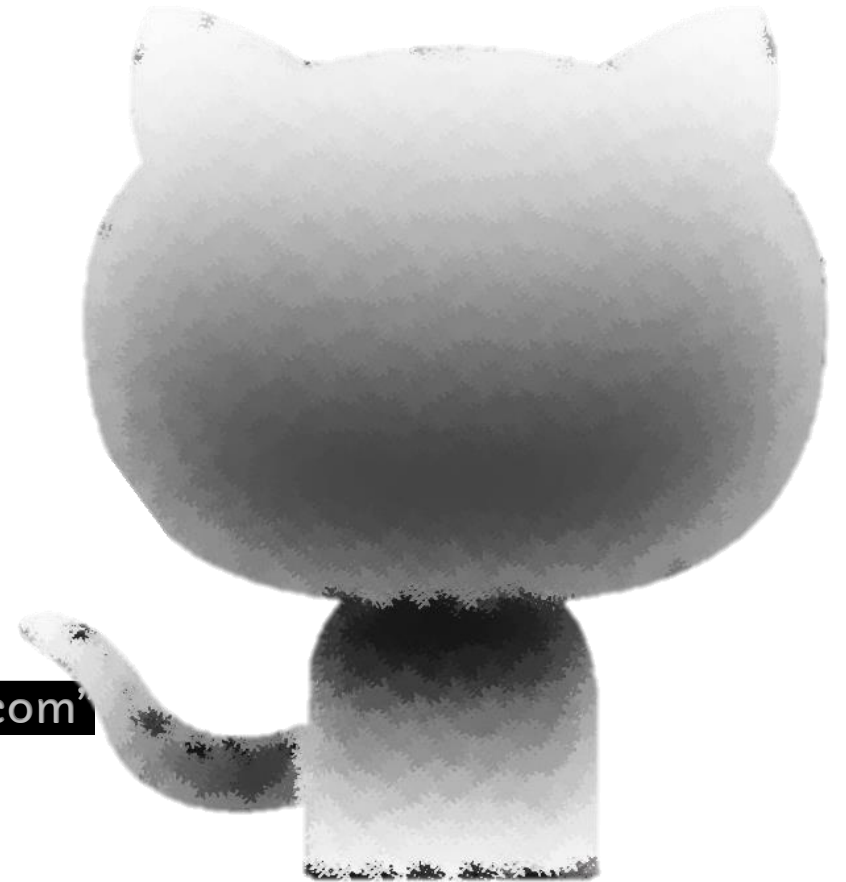
```
$ git config --global user.name "Purna Shrestha"
```

```
$ git config --global user.email "purna.sth@gmail.com"
```

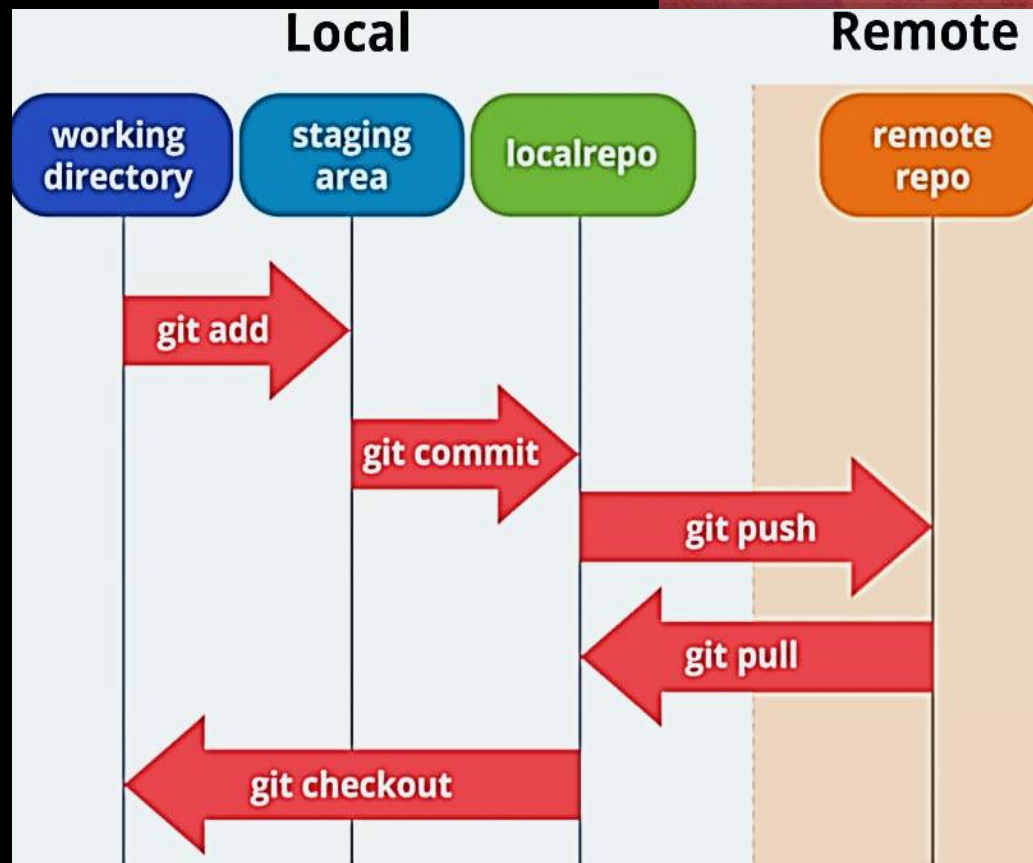
5. Installation on VS Code :

open terminal ctrl + shift + `

open git bash



BASIC WORKFLOW



\$ git add

adds a change in the working directory to the staging area.

\$ git commit

stores the added files followed by the actual message.

\$ git push

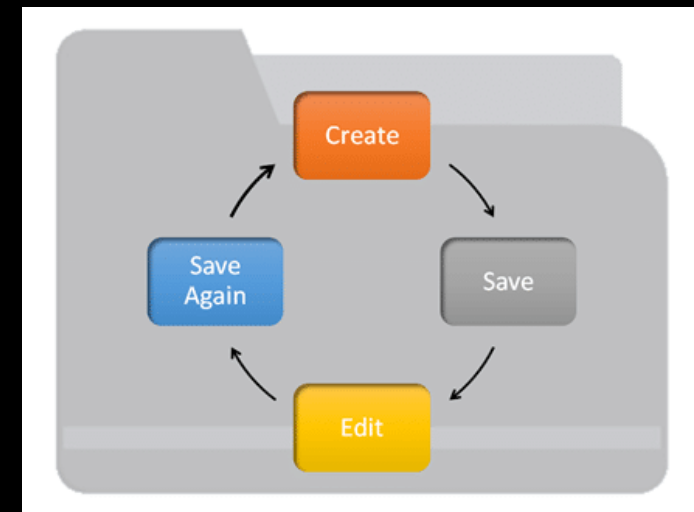
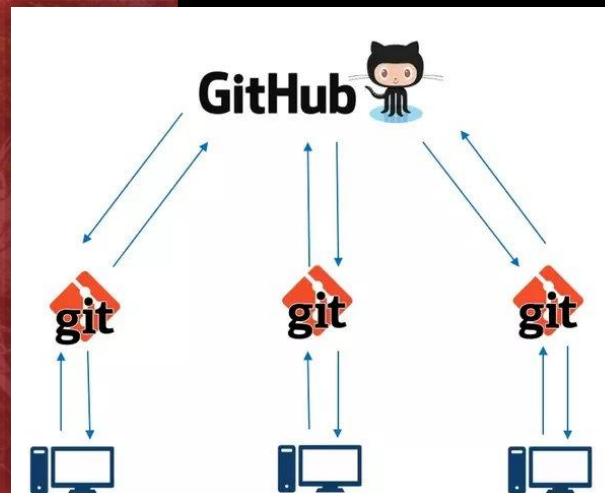
uploads local repository content to a remote repository.

\$ git pull

updates a local repository from the corresponding remote repository.

\$ git checkout

lets you navigate between the branches created by git branch.



GITHUB COMMANDS

\$ touch file1.html

\$ touch file2.html

\$ git init

\$ git add file1.html file2.html

\$ git commit -m "my first commit"

\$ git status -s

\$ git rm file2.html

\$ git mv file1.html fileNew.html

\$ git status

\$ git commit -m "my second commit"

\$ git log

\$ echo "Hello" > fileNew.html

\$ git diff

```
test@Purna MINGW64
$ git add
test@Purna MINGW64
$ git add
test@Purna MINGW64
$ git mv
test@Purna MINGW64
$ git diff
test@Purna MINGW64
$ git commit
test@Purna MINGW64
$ git log
```





LET'S CREATE A REPO

```
$ git init  
$ git add .  
$ git commit -m "meaningful  
message"  
$ git status  
$ git branch -M main  
$ git remote add origin <repo link>  
$ git push -u origin main
```

75% of the time you'll be
using only these commands.

USE THESE COMMANDS TO
UPDATE THE EARLIER REPO.

LET'S UPDATE THE REPO

```
$ git add .  
$ git commit -m  
"meaningful  
message"  
$ git push
```

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GITHUB PAGES

A free static site hosting service


1. Go to the setting of your wish repo.
2. Go to the "Pages".
3. Select the Branch "main" and save.
4. Wait for some minutes.
5. Congratulations!! Now, you have your own website.





ANY QUERIES?





1. Remember that whenever you start learning something new, at first it can seem like you won't get the hang of it.

2. But after some time & hard work, you'll become more comfortable.

3. It's the same with Git and GitHub too –

4. if you use it a lot for a while, you will get comfortable with it.



It always seems
impossible until it's done.





GitHub

Thank you for your attention!

