

# Github

Git is created by linus torvald. He is the same person who created linux kernel.

Git- free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

SCM->software configuration management (or) source code management.

TBD->Trunk based Development

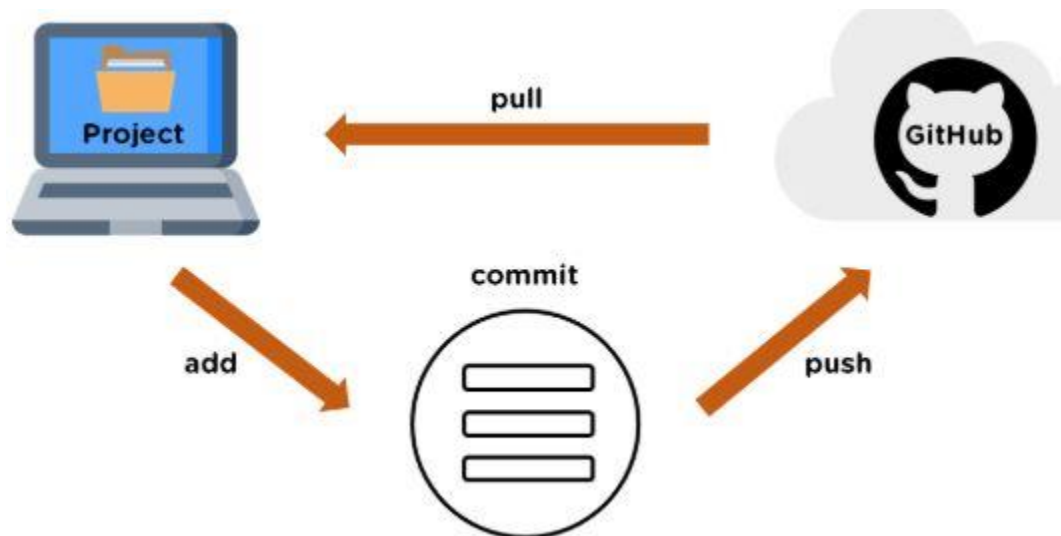
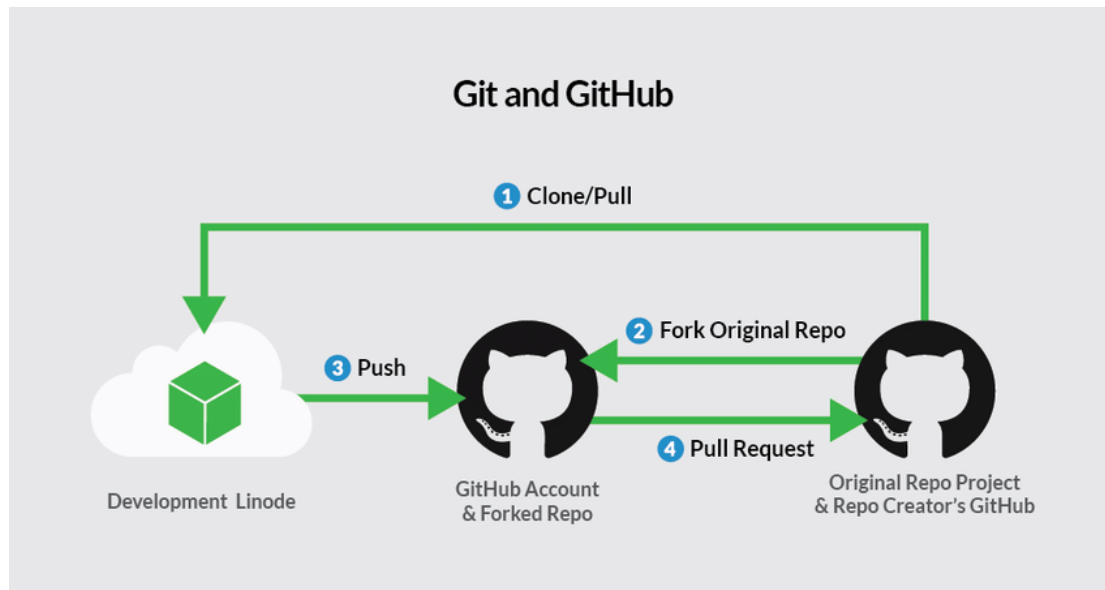
In GitHub is a web-based Git repository hosting service, which offers all of the distributed revision control and source code management (SCM) functionality of Git as well as adding its own features.

Git free -2GB-Git is a free and open source distributed version control system

Git pro -2GB-Pro Git (Second Edition) is your fully-updated guide to Git and its usage in the modern world.

Git Team -4GB-

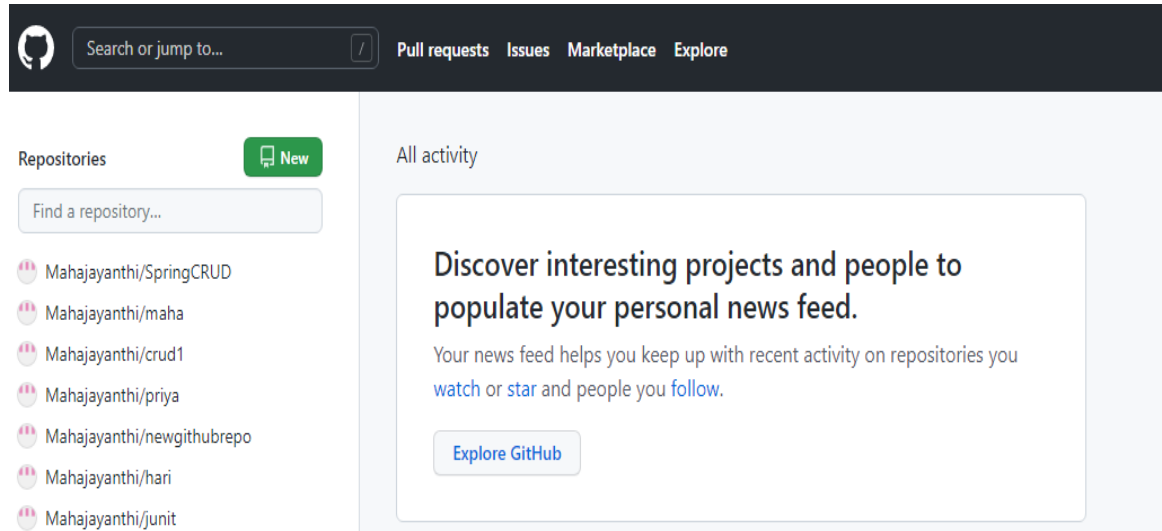
Github Enterprise Cloud-5GB-GitHub Enterprise Server is the on-premises git repository hosting offering from GitHub. Large organizations commonly run GitHub Enterprise Server for improved control and security over their code repositories.



## Steps for working in github

- 1.create a github account then enter the username and password ,then sign in github.
- 2.create a repository for storing the code.
- 3.push the code into github by using git bash commands.

## 1.create a new repository in github



## 2.steps for creating a new repository

### Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner \* / Repository name \*

Mahajayanthi / preetha

Great repository names are short and memorable. Need inspiration? How about [sturdy-train](#)?

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.

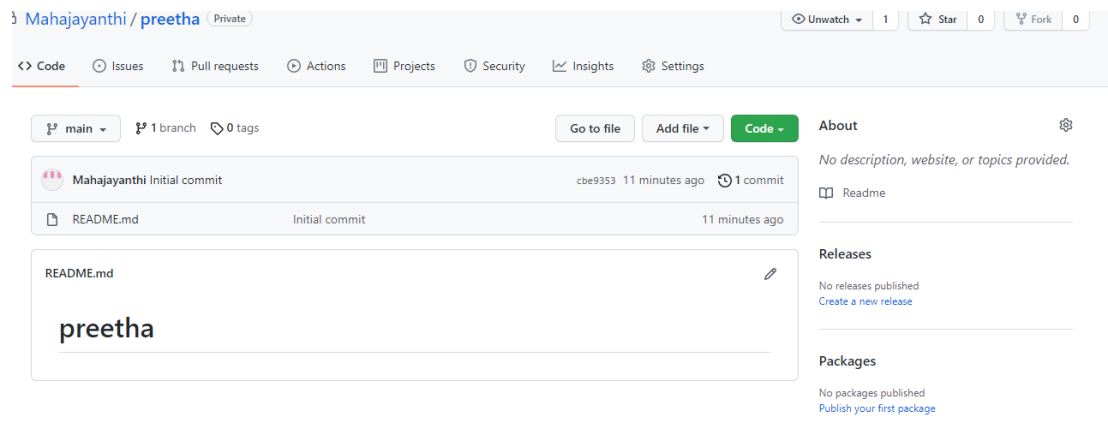
#### Initialize this repository with:

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

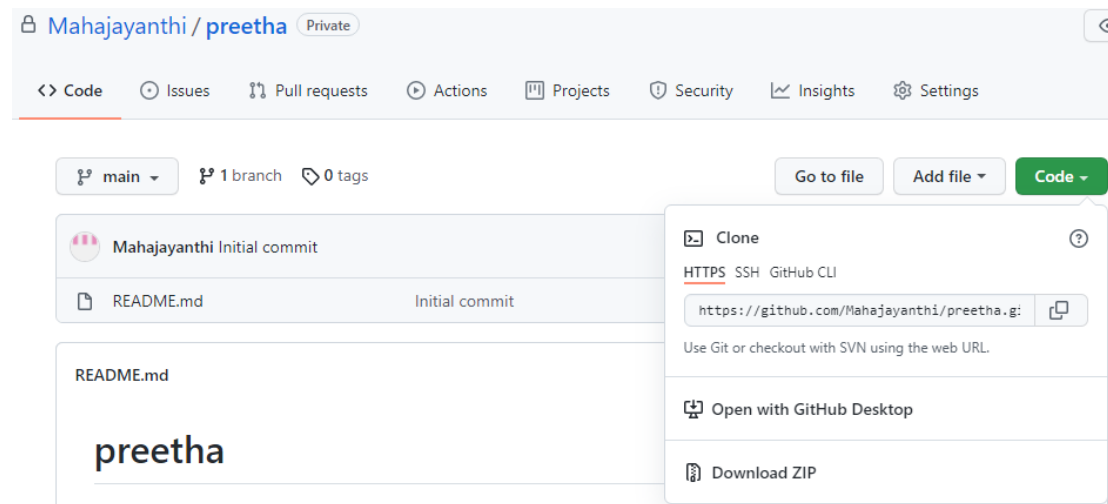
☒ **Add a README file**  
This is where you can write a long description for your project. [Learn more.](#)

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

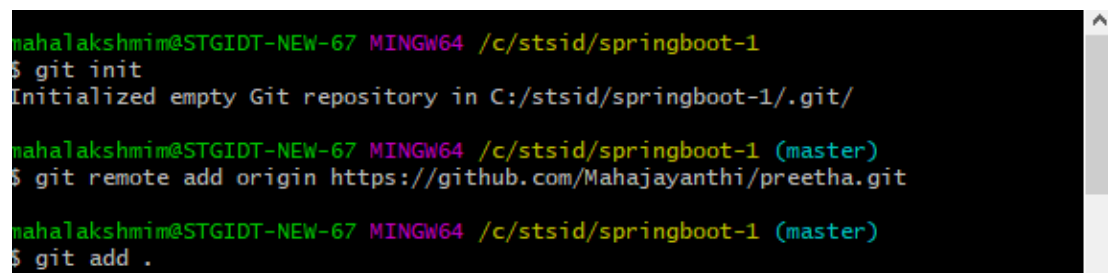
## 3.copy the url from remote repository to git bash



4. Then by using Gitbash commands to push the code into Github



5. by using the git add . commands we can push the code into github



6. By using the git commit we can save our code into github

```

mahalakshmi@STGIDT-NEW-67 MINGW64 /c/stsid/springboot-1 (master)
$ git commit -m "i m going to push the code"
[master (root-commit) 3788d11] i m going to push the code
Committer: Mahalakshmi Mothilal <mahalakshmi@stg.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

19 files changed, 940 insertions(+)
create mode 100644 .gitignore
create mode 100644 .mvn/wrapper/MavenWrapperDownloader.java
create mode 100644 .mvn/wrapper/maven-wrapper.jar
create mode 100644 .mvn/wrapper/maven-wrapper.properties
create mode 100644 mvnw

```

7.By using the git push origin master our code will automatically push into github

```

mahalakshmi@STGIDT-NEW-67 MINGW64 /c/stsid/springboot-1 (master)
$ git push origin master
Enumerating objects: 39, done.
Counting objects: 100% (39/39), done.
Delta compression using up to 4 threads
Compressing objects: 100% (28/28), done.
Writing objects: 100% (39/39), 54.82 KiB | 3.92 MiB/s, done.
Total 39 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/Mahajayanthi/preetha/pull/new/master
remote:
To https://github.com/Mahajayanthi/preetha.git
 * [new branch]      master -> master

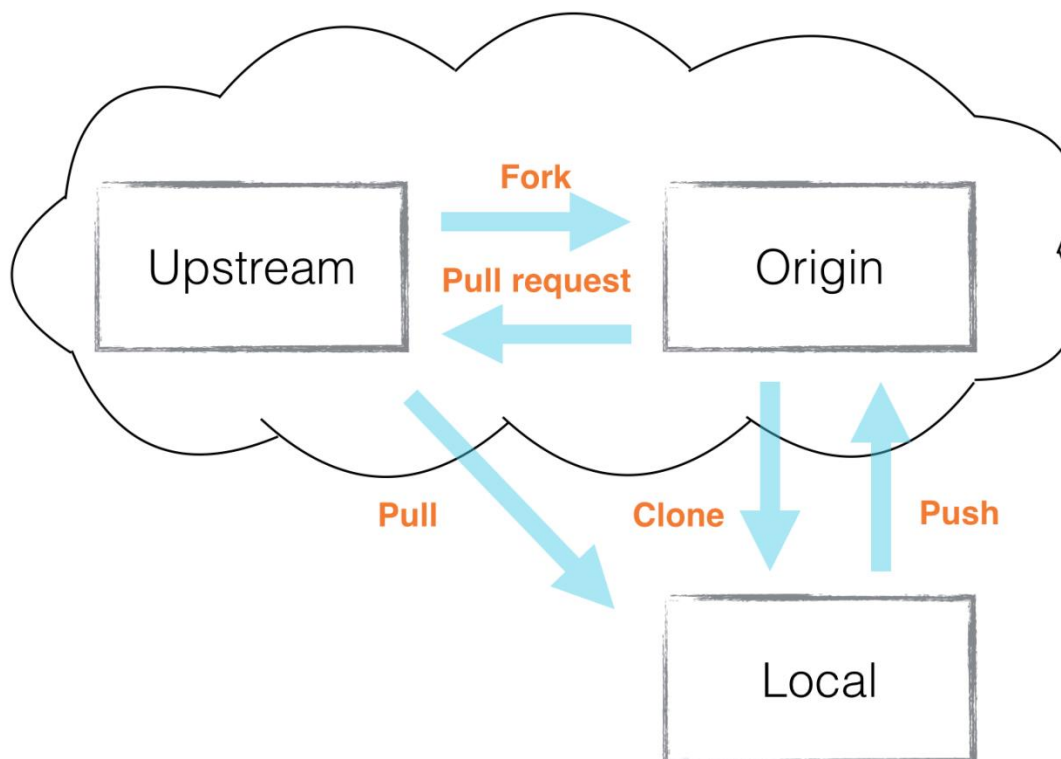
mahalakshmi@STGIDT-NEW-67 MINGW64 /c/stsid/springboot-1 (master)
$ |

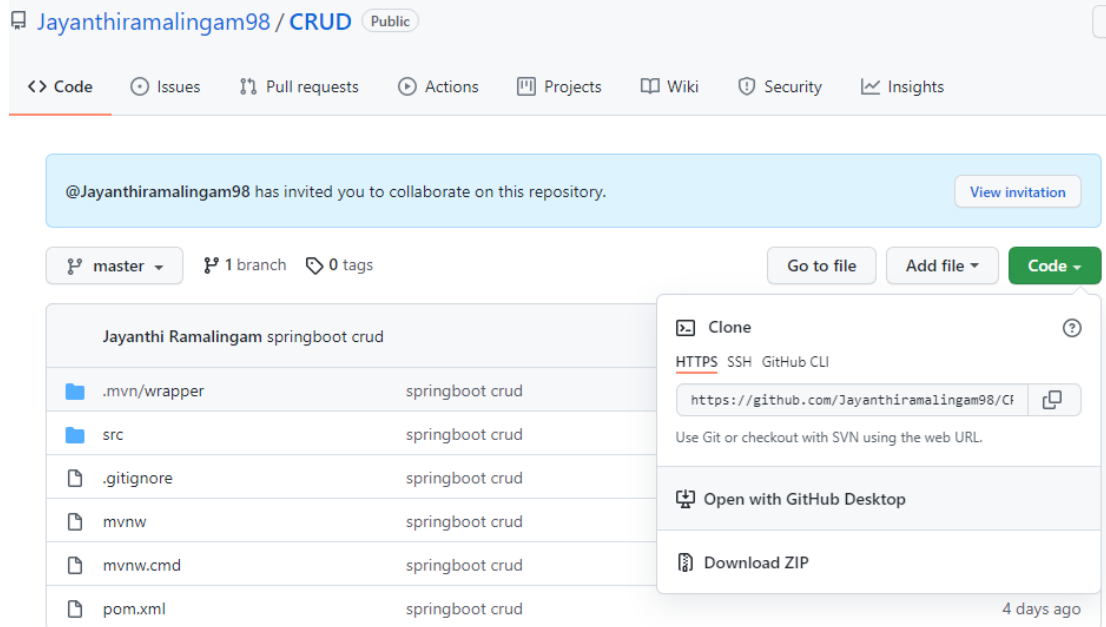
```

8.we go and check and our code is pushed in github ,verify.

Repository page for Mahajayanthi/preetha (Private). The page shows the master branch with 2 branches and 0 tags. A recent commit by Mahalakshmi Mothilal is displayed, dated 7 minutes ago. The commit message is "i m going to push the code". The commit hash is 3788d11. The commit is 1 commit ahead of the main branch. The commit includes files: .mvn/wrapper, src, .gitignore, and mvnw. The commit message is "i m going to push the code". The commit is dated 7 minutes ago.

## 9. how to clone another team member code into our account





10. By using git clone <url> clone team code into our repository

```
mahalakshmi@STGIDT-NEW-67 MINGW64 /c/stsid/springboot-1 (master)
$ git clone https://github.com/Jayanthiramalingam98/CRUD.git
Cloning into 'CRUD'...
remote: Enumerating objects: 39, done.
remote: Counting objects: 100% (39/39), done.
remote: Compressing objects: 100% (26/26), done.
remote: Total 39 (delta 0), reused 39 (delta 0), pack-reused 0
Receiving objects: 100% (39/39), 55.47 KiB | 443.00 KiB/s, done.
mahalakshmi@STGIDT-NEW-67 MINGW64 /c/stsid/springboot-1 (master)
$
```

11. check that cloned code in our github or not, verify

 main  1 branch  0 tags

Go to file

Add file

Code



Mahajayanthi Add files via upload

c558ecf yesterday 8 commits



controller

Add files via upload

yesterday



EmpEntityRepository.java

Add files via upload

yesterday



EmpService.java

Add files via upload

yesterday



HELP.md

first commit

4 days ago



SpringbootCrudApplication.java

Add files via upload

yesterday



mvnw

first commit

4 days ago



mvnw.cmd

first commit

4 days ago