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

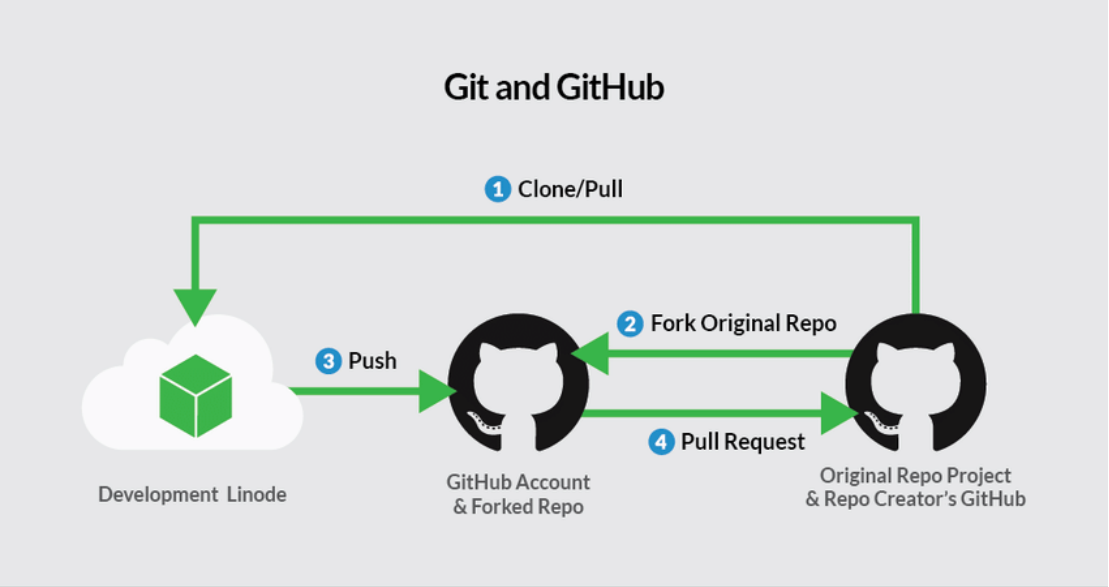
well as adding its own features.

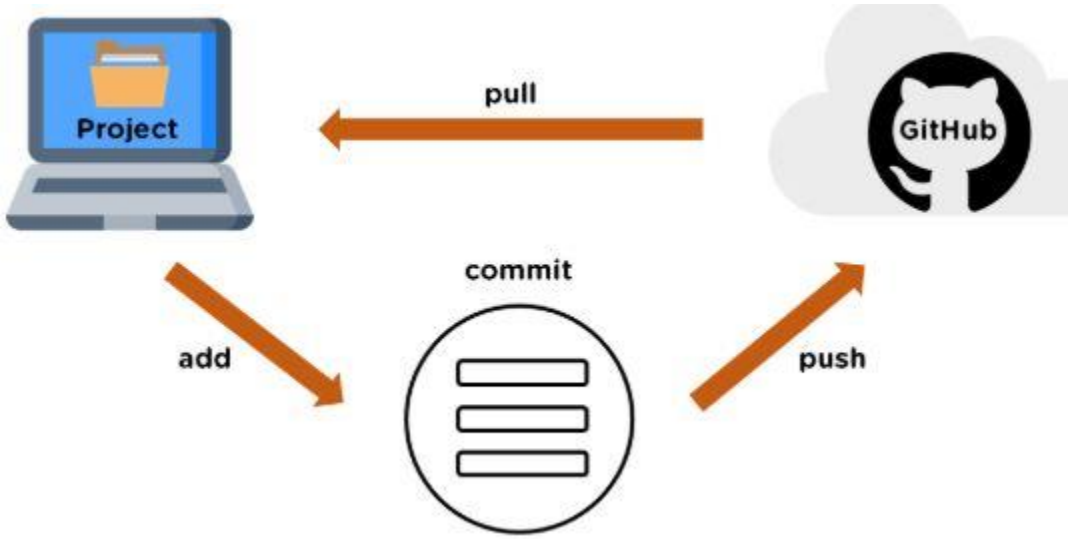
Git free -2GB-Git is a free and open source distributed version control system

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.





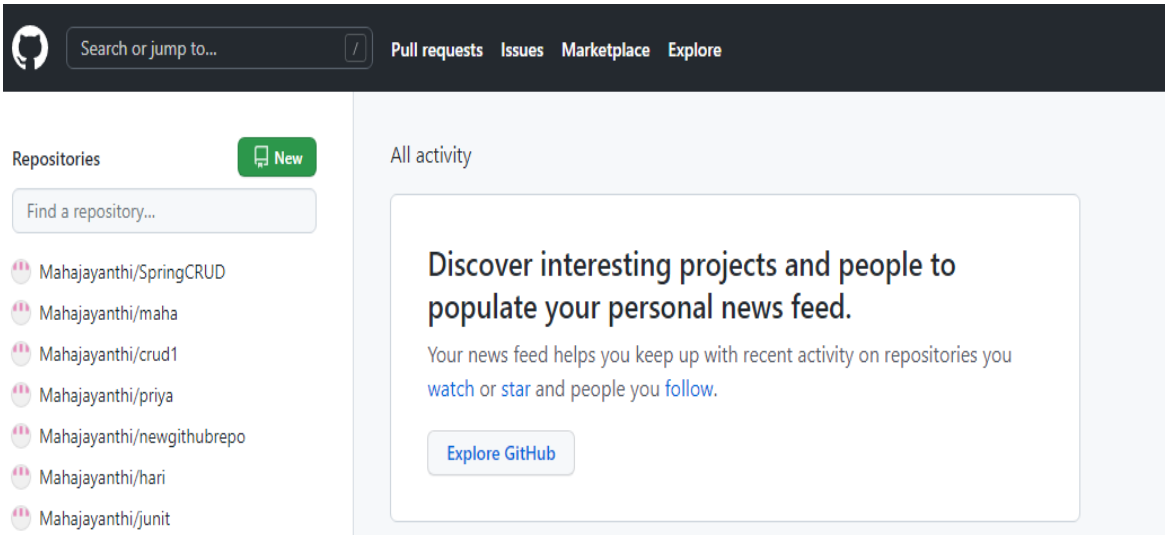
Steps for working in github

1.create a github account then enter the username and password ,then sign in github.

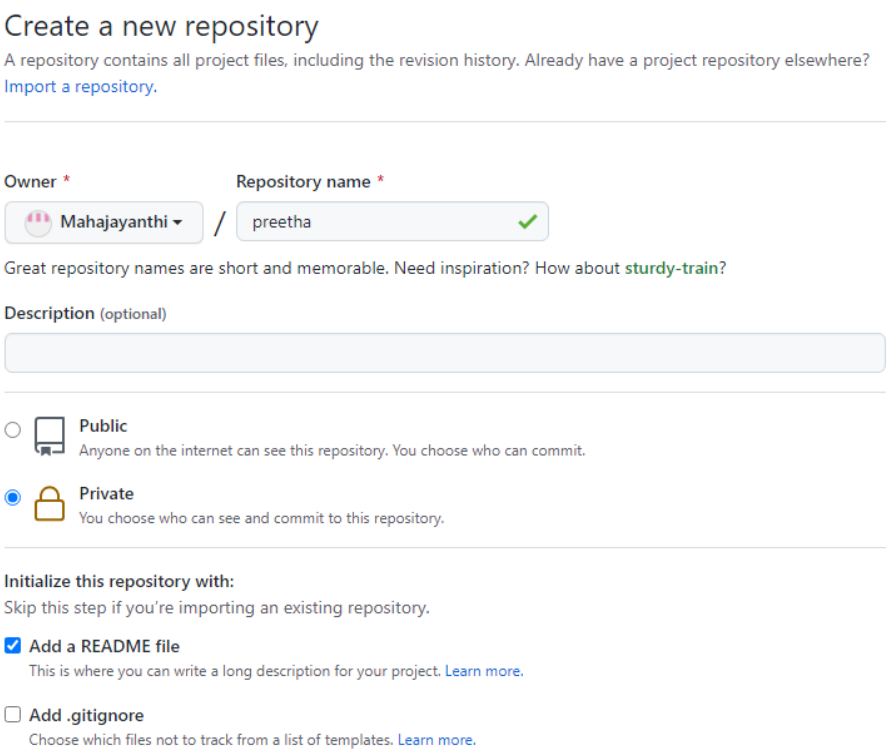
2.create a repository for storing the code.

3.push the code into github by using git bash commands.

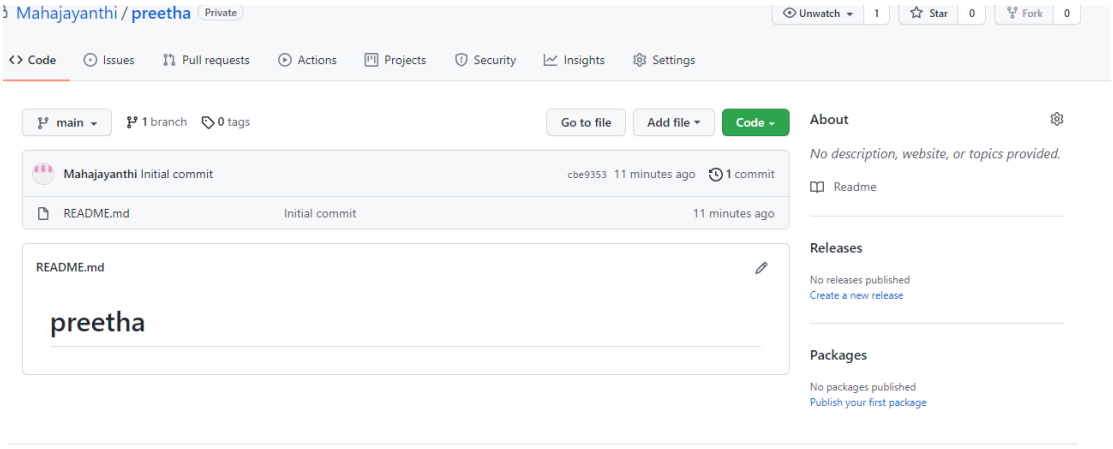
1.create a new repository in github



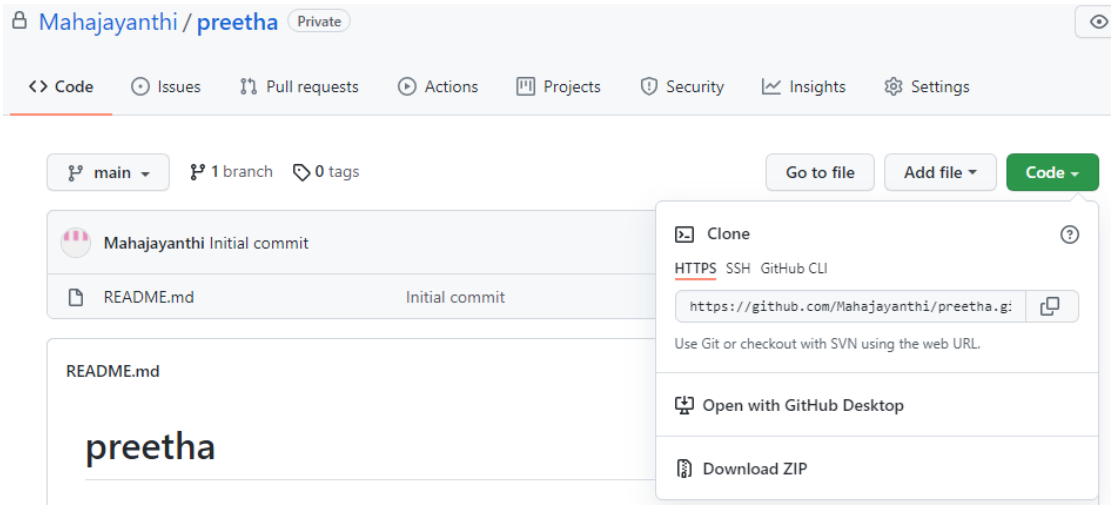
2.steps for creating a new repository



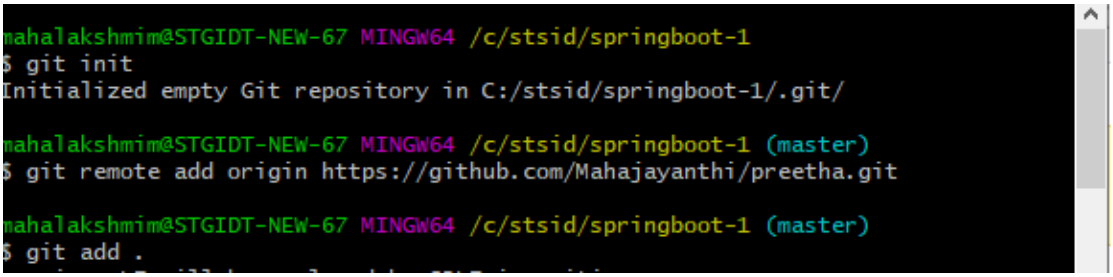
3.copy the url from remote repository to git bash



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



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



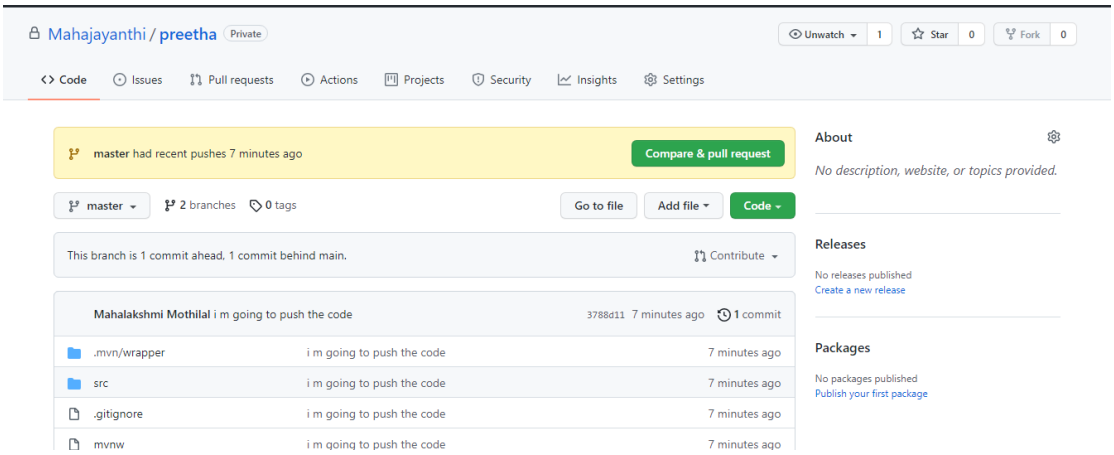
6.By using the git commit we can save our code into github

```
mahalakshmim@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 <mahalakshmim@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
```

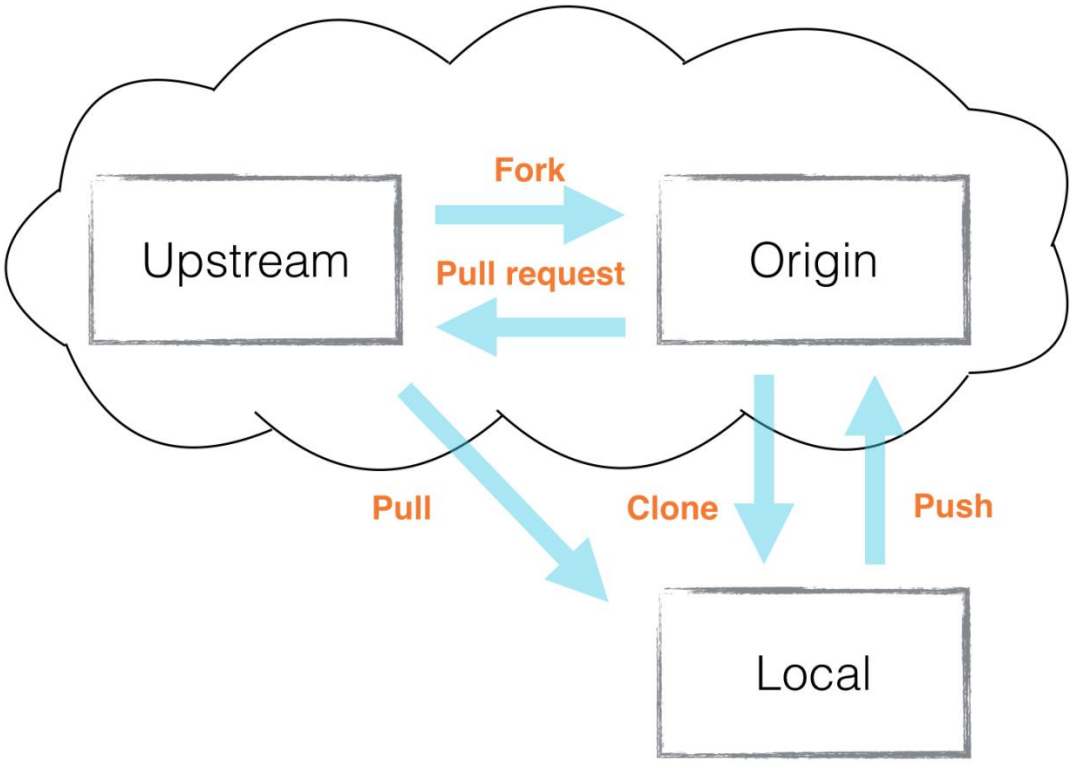
7.By using the git push origin master our code will automatically push into github

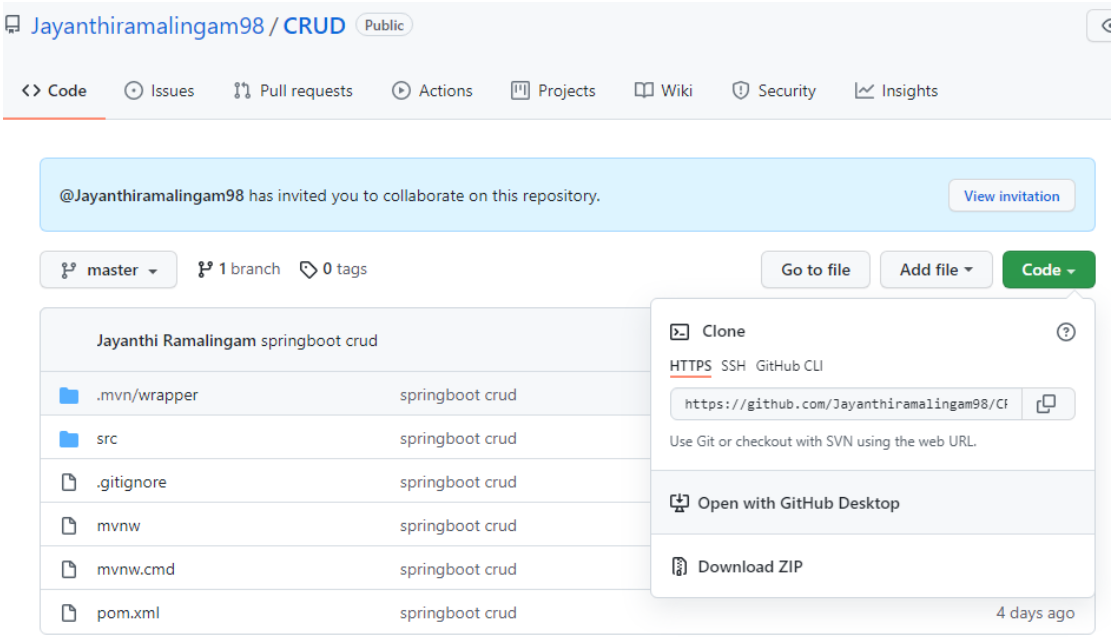
```
mahalakshmim@STGIDT-NEW-67 MINGW64 /c/stsid/springboot-1 (master)
$ git push origin master
Enumerating objects: 39, done.
Counting objects: 100% (39/39), done.
Delta compression using up to 4 threads
Compressing objects: 100% (28/28), done.
Writing objects: 100% (39/39), 54.82 KiB | 3.92 MiB/s, done.
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

mahalakshmim@STGIDT-NEW-67 MINGW64 /c/stsid/springboot-1 (master)
$
```

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



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

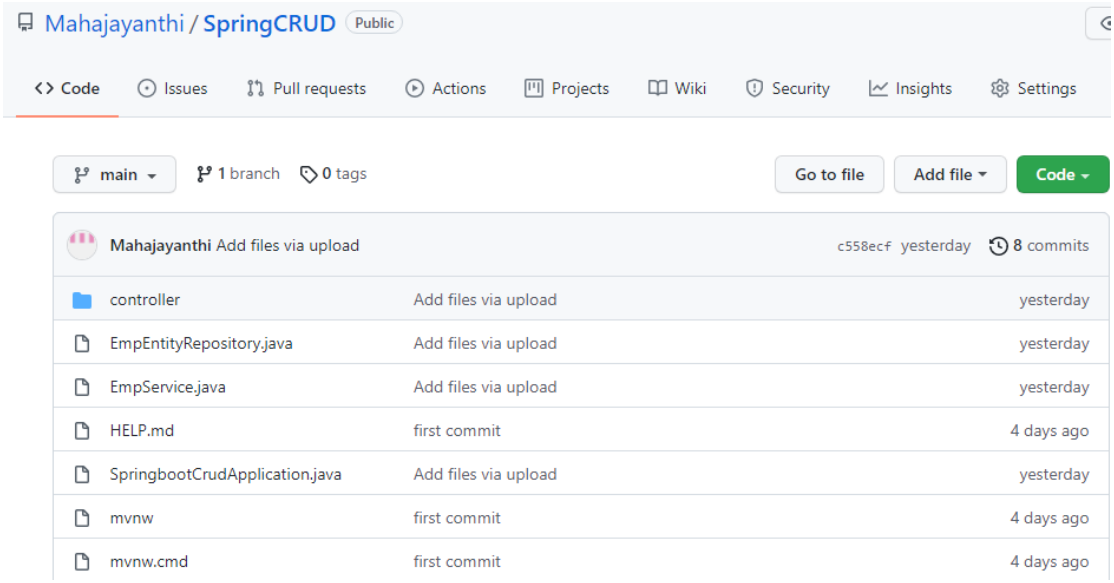




10.By using git clone <url>clone team code into our repository

```
mahalakshmim@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.

mahalakshmim@STGIDT-NEW-67 MINGW64 /c/stsid/springboot-1 (master)
$
```

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


Mahajayanthi / SpringCRUD
Public
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
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