

# Assignment:-3

Collaborative Development Using Git - Fork an existing repository (this can be a simulated action if no actual repository is available), clone it locally, and demonstrate managing updates from the original repository. Create a pull request to the original repository with changes made in the forked repository, and outline a simple code review process.

## 1.Forking an Existing Repository

### Create a new repository

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

Required fields are marked with an asterisk (\*).

Owner \*

 Prasadsrahul ▾

Repository name \*

/ wipro1-fork

✔ wipro1-fork is available.

Great repository names are short and memorable. Need inspiration? How about **literate-palm-tree** ?

Description (optional)



Public

Anyone on the internet can see this repository. You choose who can commit.



Private

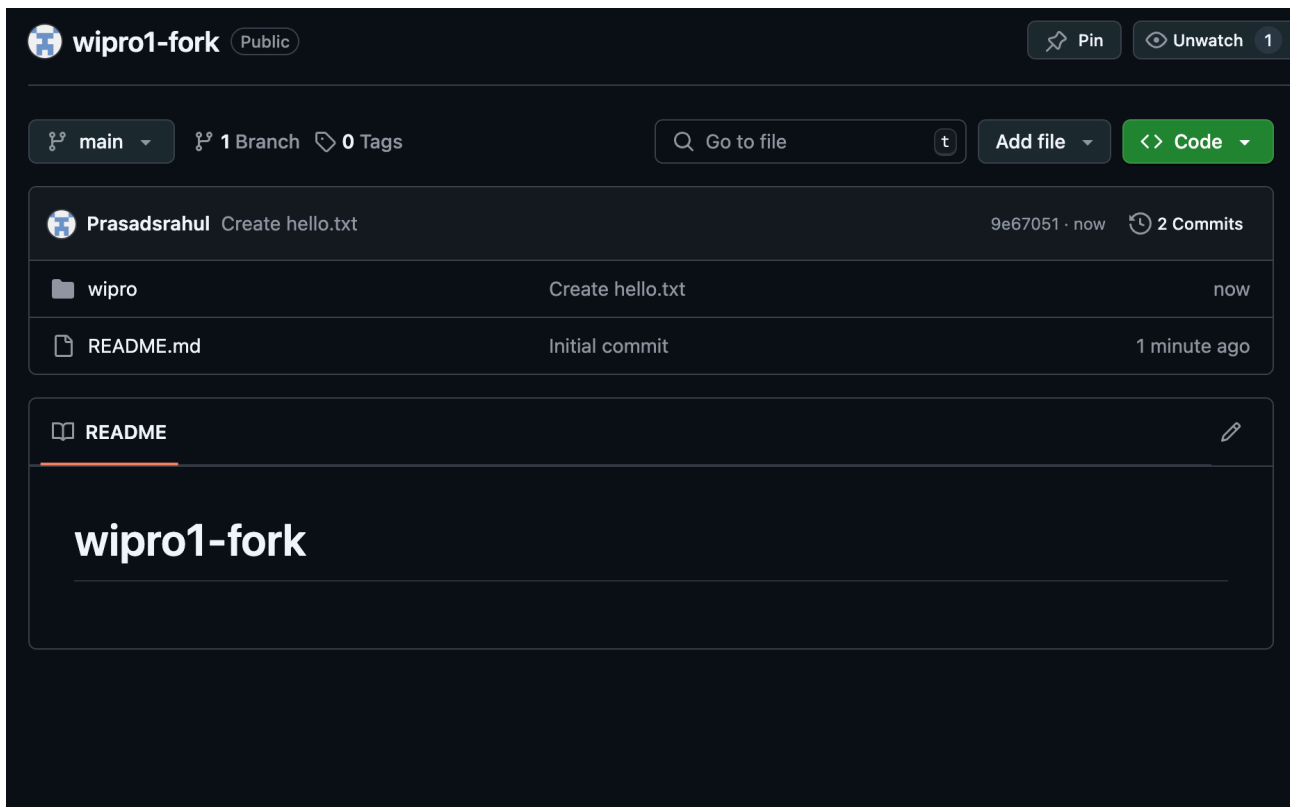
You choose who can see and commit to this repository.

Initialize this repository with:



Add a README file

This is where you can write a long description for your project. [Learn more about READMEs.](#)



## Local Simulation

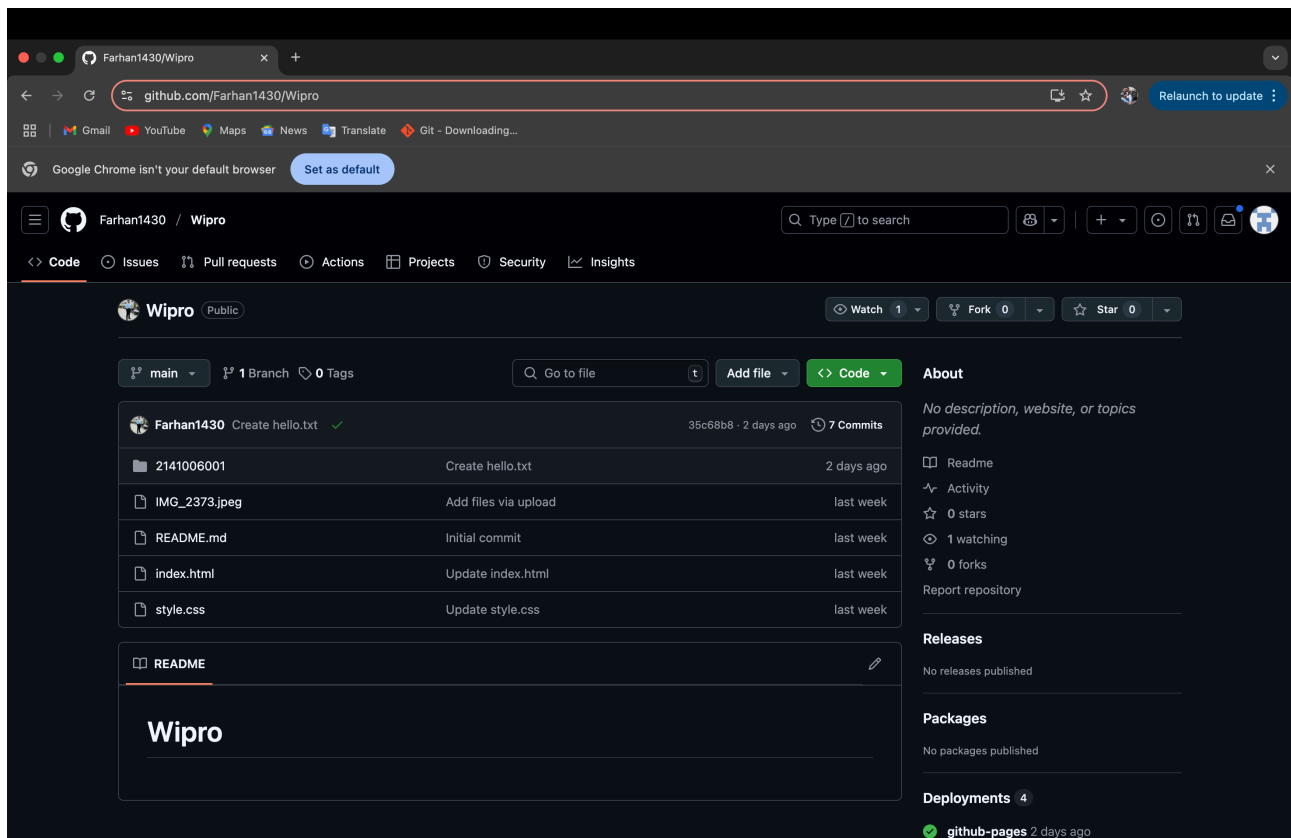
```
rahulkumar@Rahuls-MacBook-Air Assignment3 % mkdir original_rep
rahulkumar@Rahuls-MacBook-Air Assignment3 % cd original_rep
cd: no such file or directory: original_rep
rahulkumar@Rahuls-MacBook-Air Assignment3 % cd original_rep
rahulkumar@Rahuls-MacBook-Air original_rep % git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/rahulkumar/Desktop/Assignment3/original_rep/.git/
rahulkumar@Rahuls-MacBook-Air original_rep % echo "original Project" >> README.MD
rahulkumar@Rahuls-MacBook-Air original_rep % git add README.MD
rahulkumar@Rahuls-MacBook-Air original_rep % git commit -m "Initial commit"
[master (root-commit) a8631a0] Initial commit
1 file changed, 1 insertion(+)
 create mode 100644 README.MD
rahulkumar@Rahuls-MacBook-Air original_rep % cd ..
rahulkumar@Rahuls-MacBook-Air Assignment3 % git clone original_rep forked-repo
Cloning into 'forked-repo'...
done.
rahulkumar@Rahuls-MacBook-Air Assignment3 %
```

```
rahulkumar@Rahuls-MacBook-Air Assignment3 % git remote add upstream https://github.com/Prasadsraahul/wipro1-fork.git
rahulkumar@Rahuls-MacBook-Air Assignment3 %
```

```
rahulkumar@Rahuls-MacBook-Air Assignment3 % git remote -v
upstream      https://github.com/Prasadsrahul/wipro1-fork.git (fetch)
upstream      https://github.com/Prasadsrahul/wipro1-fork.git (push)
rahulkumar@Rahuls-MacBook-Air Assignment3 %
```

```
rahulkumar@Rahuls-MacBook-Air Assignment3 % git fetch upstream
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (3/3), done.
Unpacking objects: 100% (7/7), 1.81 KiB | 370.00 KiB/s, done.
remote: Total 7 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
From https://github.com/Prasadsrahul/wipro1-fork
 * [new branch]      main      -> upstream/main
rahulkumar@Rahuls-MacBook-Air Assignment3 % git checkout main
branch 'main' set up to track 'upstream/main'.
Switched to a new branch 'main'
rahulkumar@Rahuls-MacBook-Air Assignment3 % git merge upstream/main
Already up to date.
rahulkumar@Rahuls-MacBook-Air Assignment3 %
```

```
rahulkumar@Rahuls-MacBook-Air Assignment3 % git checkout -b my-new-feature
Switched to a new branch 'my-new-feature'
rahulkumar@Rahuls-MacBook-Air Assignment3 % echo "New featute" >> feature.txt
rahulkumar@Rahuls-MacBook-Air Assignment3 % git add feature.txt
rahulkumar@Rahuls-MacBook-Air Assignment3 % git commit -m "Add new featute"
[my-new-feature 8d3d8c7] Add new featute
1 file changed, 1 insertion(+)
create mode 100644 feature.txt
```



## Create a new fork

A *fork* is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project.

*Required fields are marked with an asterisk (\*).*

Owner \*

 Prasadsraahul

Repository name \*

Wipro1


✔ Wipro1 is available.

By default, forks are named the same as their upstream repository. You can customize the name to distinguish it further.

Description (optional)


☒ Copy the `main` branch only

Contribute back to Farhan1430/Wipro by adding your own branch. [Learn more.](#)

 You are creating a fork in your personal account.

Create fork

Git\_Github.docx



### Commit changes

Add files via upload

No file chosen

Add an optional extended description...

☒ Commit directly to the `main` branch.


☐ Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

Commit changes

Cancel

## Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about diff comparisons here.](#)

 base repository: Farhan1430/Wipro


base: main

...

head repository: Prasadsrahul/Wipro1

compare: main

✓ **Able to merge.** These branches can be automatically merged.













### Add a title

Git\_Github

### Add a description

WritePreview

H B I          

This is my tutorial.

#### Helpful resources

[GitHub Community Guidelines](#)

Model is unsupported

Get the latest model and files

