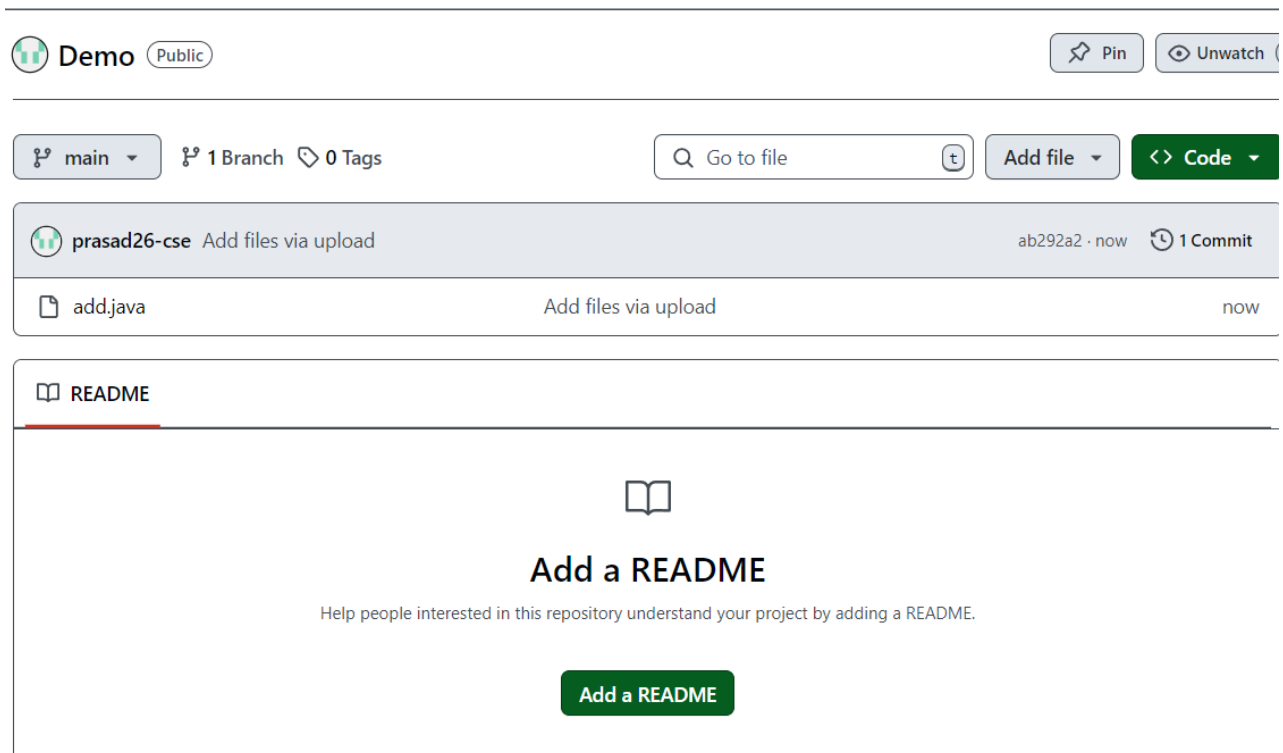


Experiment No. 2

Title : Implement GitHub Operations using Git.

Step 1: Cloning a Repository

Find a Repository to Clone & Copy the Repository URL:



Navigate to the Directory :

Change to the directory where you want to clone the repository :

```
VICTUS@LAPTOP-KQ3G1MA9 MINGW64 /d/test/practicle (main)
$ cd d:


VICTUS@LAPTOP-KQ3G1MA9 MINGW64 /d
$ cd test
```

Run the Clone Command :

```
VICTUS@LAPTOP-KQ3G1MA9 MINGW64 /d/test
$ git clone https://github.com/prasad26-cse/Demo.git
Cloning into 'Demo'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
```

Step 2: Making Changes and Creating a Branch

Navigate into the Cloned Repository:

Name	Date modified	Type	Size
 Demo	10/16/2024 7:14 PM	File folder	

```
VICTUS@LAPTOP-KQ3G1MA9 MINGW64 /d/test
$ cd Demo
```

Create a New Text File:

```
VICTUS@LAPTOP-KQ3G1MA9 MINGW64 /d/test/Demo (main)
$ nano example.txt
```

Check the Status of the Repository:

```
VICTUS@LAPTOP-KQ3G1MA9 MINGW64 /d/test/Demo (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    example.txt

nothing added to commit but untracked files present (use "git add" to track)
```

Stage the Changes for Commit:

```
VICTUS@LAPTOP-KQ3G1MA9 MINGW64 /d/test/Demo (main)
$ git add example.txt
warning: in the working copy of 'example.txt', LF will be replaced by CRLF the next time Git touches it
```

Commit the Changes:

```
VICTUS@LAPTOP-KQ3G1MA9 MINGW64 /d/test/Demo (main)
$ git commit -m "add content"
[main a4988e3] add content
1 file changed, 1 insertion(+)
create mode 100644 example.txt
```

Create a New Branch:

```
VICTUS@LAPTOP-KQ3G1MA9 MINGW64 /d/test/Demo (master)
$ git branch feature

VICTUS@LAPTOP-KQ3G1MA9 MINGW64 /d/test/Demo (master)
$ git checkout feature
Switched to branch 'feature'
```

Step 3) Pushing Changes to GitHub :

```
VICTUS@LAPTOP-KQ3G1MA9 MINGW64 /d/test/Demo (feature)
$ git remote add origin https://github.com/prasad26-cse/demo.git
error: remote origin already exists.
```

This step is usually unnecessary if the repository was cloned, as the origin is already set.

```
VICTUS@LAPTOP-KQ3G1MA9 MINGW64 /d/test/Demo (feature)
$ git push origin feature
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 291 bytes | 291.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature' on GitHub by visiting:
remote:   https://github.com/prasad26-cse/Demo/pull/new/feature
remote:
To https://github.com/prasad26-cse/Demo.git
 * [new branch]      feature -> feature
```

Create a Pull Request & Choose Base and Compare Branches :

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#) or [learn more about diff comparisons](#).

ed file with 1 addition and 0 deletions.


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: main

compare: feature

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













Add a title


add content


Add a description

WritePreview

H B I   |    |     

This is ~~practice~~ of ~~devops~~

 Markdown is supported

 Paste, drop, or click to add files

Reviewers

No reviews

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone


No milestone

Development


Use [closing keywords](#) in the description to automatically close issues



Create pull request


Merge the Pull Request:


 **add content #1**
prasad26-cse wants to merge 1 commit into `main` from `feature`


This is Practicle of devops




  add content a4988e3



 **Require approval from specific reviewers before merging**
[Rulesets](#) ensure specific people approve pull requests before they're merged.

 **Continuous integration has not been set up**
[GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.

 **This branch has no conflicts with the base branch**
Merging can be performed automatically.

Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).


Successfully Merge the pull request :

Conversation 0


Commits 1



Checks 0



Files changed 1

 **prasad26-cse** commented 1 minute ago Owner ...


This is Practicle of devops



  add content a4988e3

  **prasad26-cse** merged commit `0463f39` into `main` now

Revert



Pull request successfully merged and closed

You're all set—the `feature` branch can be safely deleted.

Delete branch

Step 5) Syncing Changes :


Update Your Local Repository:

```
VICTUS@LAPTOP-KQ3GIMA9 MINGW64 /d/test/Demo (master)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)
```


Pull the Latest Changes:



```
VICTUS@LAPTOP-KQ3G1MA9 MINGW64 /d/test/Demo (main)
$ git pull origin main
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (1/1), 898 bytes | 449.00 KiB/s, done.
From https://github.com/prasad26-cse/Demo
* branch      main      -> FETCH_HEAD
   ab292a2..0463f39 main    -> origin/main
Updating a4988e3..0463f39
Fast-forward
```


This command updates your local main branch with any changes that were merged into the remote main branch.


 Demo Public Pin Unwatch

main 2 Branches 0 Tags Add file Code

 **prasad26-cse** Merge pull request #1 from prasad26-cse/feature 0463f39 · 2 minutes ago 3 Commits

 add.java	Add files via upload	23 minutes ago
 example.txt	add content	12 minutes ago

 README



Add a README

Help people interested in this repository understand your project by adding a README.

Add a README