

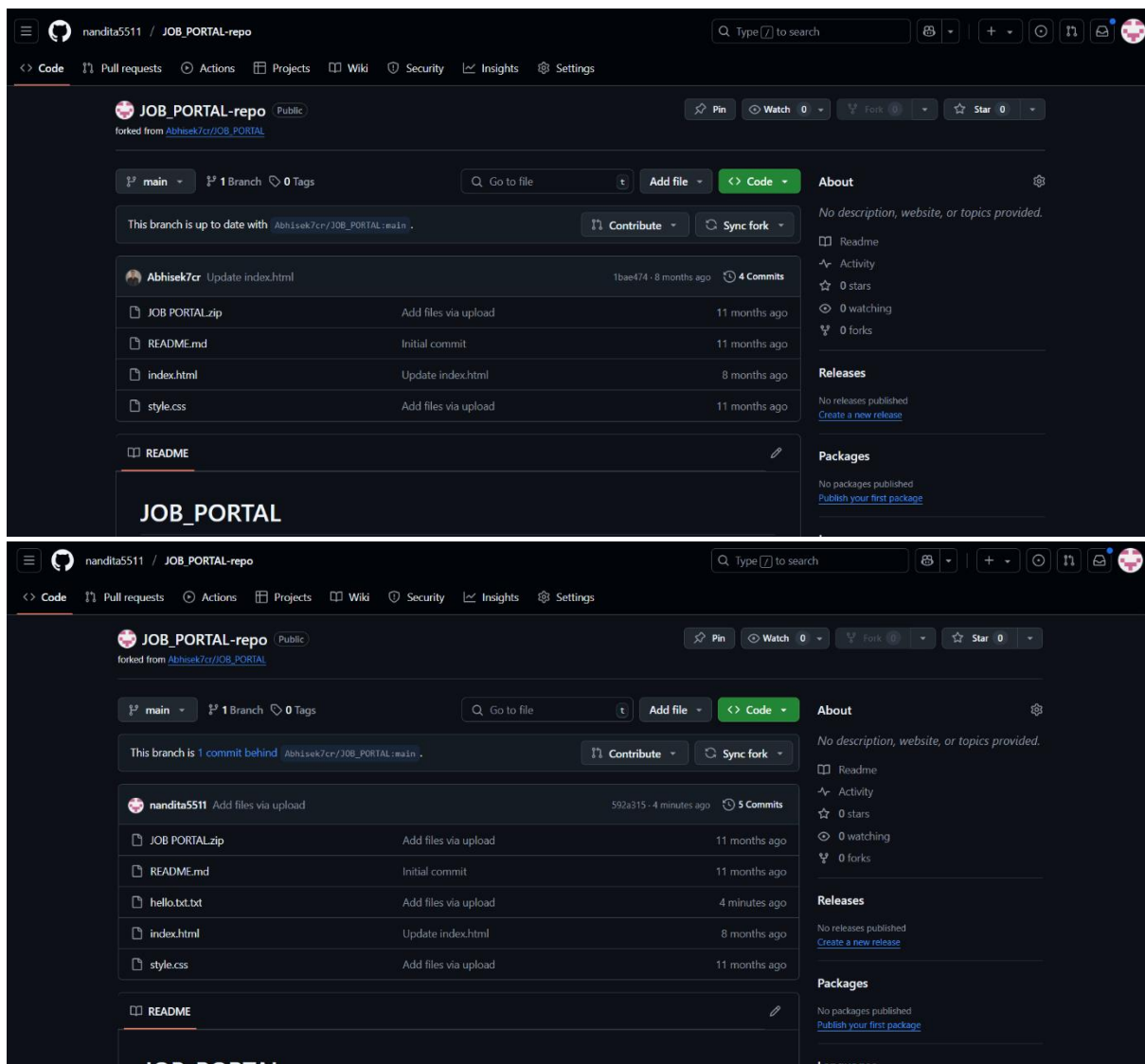
# ASSIGNMENT-3

Name-Nandita Singh

Regdno-2141019333

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



## Local Simulation

```
nandi@VivoBook15 MINGW64 ~/OneDrive/Desktop/assg
n3 (main)
$ cd original-repo

nandi@VivoBook15 MINGW64 ~/OneDrive/Desktop/assg
n3/original-repo (main)
$ git init
Initialized empty Git repository in C:/Users/nan
di/OneDrive/Desktop/assgn3/original-repo/.git/

nandi@VivoBook15 MINGW64 ~/OneDrive/Desktop/assg
n3/original-repo (main)
$ echo "#Original Project">README.md

nandi@VivoBook15 MINGW64 ~/OneDrive/Desktop/assg
n3/original-repo (main)
$ git add README.md
warning: in the working copy of 'README.md', LF
will be replaced by CRLF the next time Git touch
es it

nandi@VivoBook15 MINGW64 ~/OneDrive/Desktop/assg
n3/original-repo (main)
$ git commit -m "Initial commit"
[main (root-commit) d8c96d8] Initial commit
1 file changed, 1 insertion(+)
create mode 100644 README.md

nandi@VivoBook15 MINGW64 ~/OneDrive/Desktop/assg
n3/original-repo (main)
$ cd ..

nandi@VivoBook15 MINGW64 ~/OneDrive/Desktop/assg
n3 (main)
$ git clone original-repo forked-repo
Cloning into 'forked-repo'...
done.

nandi@VivoBook15 MINGW64 ~/OneDrive/Desktop/assg
n3 (main)
$
```

## 2. Clone the forked Repository Locally

```
nandi@VivoBook15 MINGW64 ~/OneDrive/Desktop/assgn3 (main)
$ git clone https://github.com/nandita5511/wipro3.git
Cloning into 'wipro3'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
```

## 3. Adding the Original Repository as a remote

```
nandi@VivoBook15 MINGW64 ~/OneDrive/Desktop/assgn3 (main)
$ git remote add upstream https://github.com/nandita5511/wipro3.git
```

```
nandi@VivoBook15 MINGW64 ~/OneDrive/Desktop/assgn3 (main)
$ git remote -v
upstream      https://github.com/nandita5511/wipro3.git (fetch)
upstream      https://github.com/nandita5511/wipro3.git (push)
```

## 4. Fetching and Merging Updates from Original Repository

```
nandi@vivoBook15 MINGW64 ~/OneDrive/Desktop/assgn3 (main)
$ git fetch upstream
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (6/6), 1.74 KiB | 119.00 KiB/s, done.
From https://github.com/nandita5511/wipro3
* [new branch]      main       -> upstream/main
```

```
nandi@vivoBook15 MINGW64 ~/OneDrive/Desktop/assgn3 (main)
$ git checkout main
D      proj1/newfile.txt
Already on 'main'
```

## 5. Making changes in the forked repository

```
nandi@vivoBook15 MINGW64 ~/OneDrive/Desktop/assgn3 (main)
$ git checkout -b my-new-feature
Switched to a new branch 'my-new-feature'
```

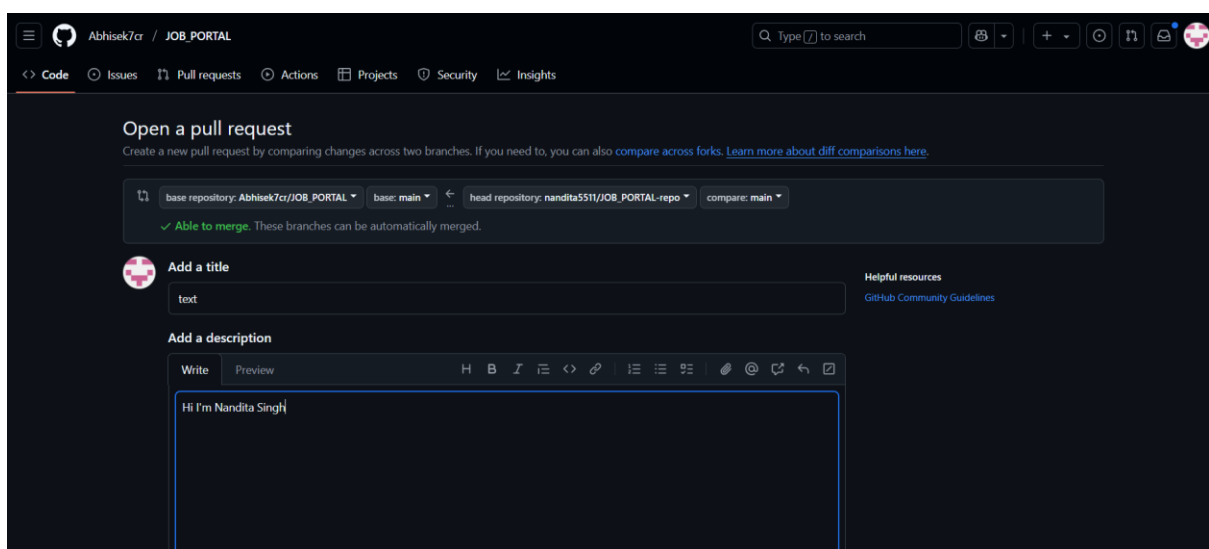
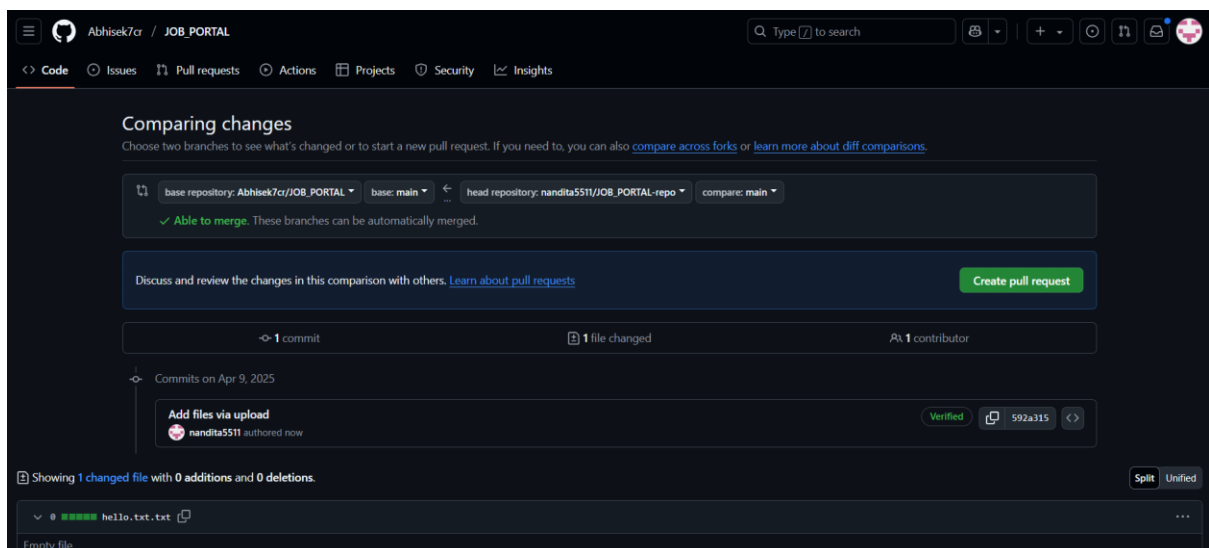
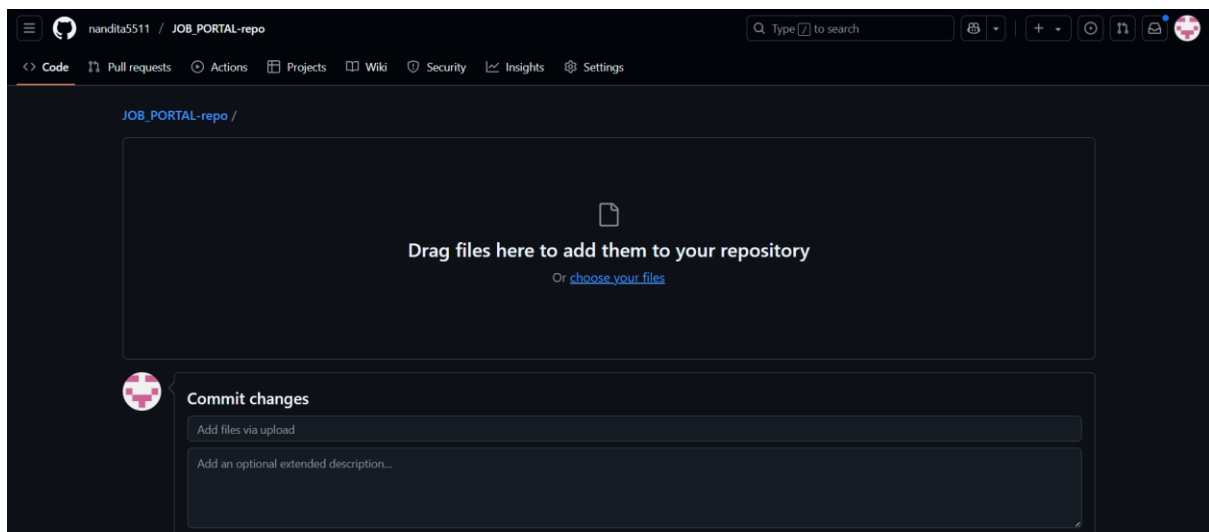
```
nandi@vivoBook15 MINGW64 ~/OneDrive/Desktop/assgn3 (my-new-feature)
$ echo "This is a new feature">feature.txt
```

```
nandi@vivoBook15 MINGW64 ~/OneDrive/Desktop/assgn3 (my-new-feature)
$ git add feature.txt
warning: in the working copy of 'OneDrive/Desktop/assgn3/feature.txt', LF will be replaced
```

```
nandi@vivoBook15 MINGW64 ~/OneDrive/Desktop/assgn3 (my-new-feature)
$ git commit -m "Add new feature"
[my-new-feature 0a768c5] Add new feature
 2 files changed, 1 insertion(+), 1 deletion(-)
 create mode 100644 OneDrive/Desktop/assgn3/feature.txt
 delete mode 100644 proj1/newfile.txt
```

```
$ git push origin my-new-feature
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 343 bytes | 171.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'my-new-feature' on GitHub by visiting:
https://github.com/nandita5511/wipro3/pull/new/my-new-feature
```

## 6. Creating a Pull Request (PR) to Original Repository



Abhisek7cr / JOB\_PORTAL

Type to search

Code

Issues

Pull requests 1

Actions

Projects

Security

Insights

text #1

Edit < Code

Open nandita5511 wants to merge 1 commit into Abhisek7cr:main from nandita5511:main

Conversation 0

Commits 1

Checks 0

Files changed 1

+0 -0

nandita5511 commented now

Hi I'm Nandita Singh

Add files via upload

Verified592a315

No conflicts with base branch

Changes can be cleanly merged.

Add a comment

WritePreview

H B I < > @

Add your comment here...

Reviewers

No reviews

Still in progress? Convert to draft

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Abhisek7cr / JOB\_PORTAL

Type to search

Code

Issues

Pull requests 1

Actions

Projects

Security

Insights

text #1

Edit < Code

Merged Abhisek7cr merged 1 commit into Abhisek7cr:main from nandita5511:main now

Conversation 0

Commits 1

Checks 0

Files changed 1

+0 -0

nandita5511 commented 1 minute ago

Hi I'm Nandita Singh

Add files via upload

Verified592a315

Abhisek7cr merged commit c8a9493 into Abhisek7cr:main now

Revert

Pull request successfully merged and closed

You're all set — the branch has been merged.

Add a comment

WritePreview

H B I < > @

Add your comment here...

Reviewers

No reviews

Still in progress? Convert to draft

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone