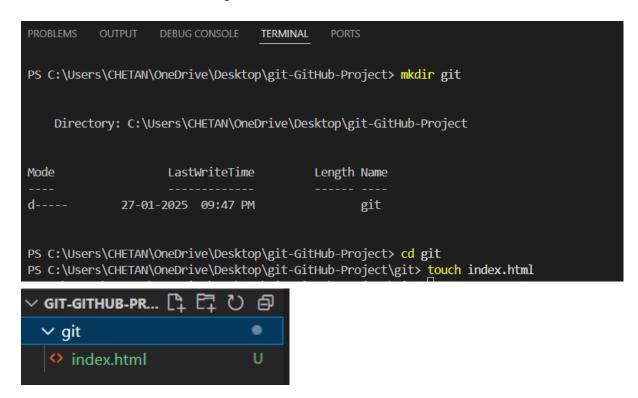
Git/Github Project

Project Name

Git Version Control Workflow

Steps to Complete the Project

- 1. Initialize Local Repository
 - I have created a folder named "git" and within it, I have created an index.html file.



Initialize Git Repository:

I have initialized the Git repository using the git init command.

2. Stage and Commit Changes

Stage Changes:

To stage the index.html file, use the following command:

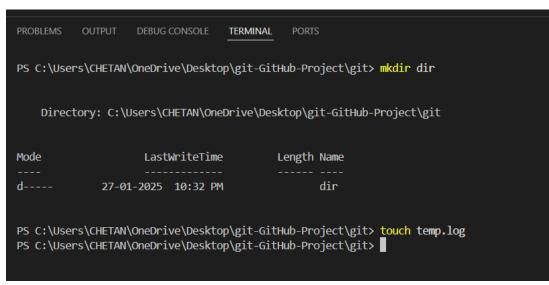
I have provided meaningful commit messages for the index.html file.

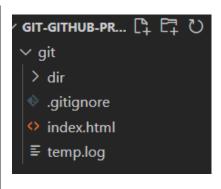
3. Setup Git Ignore

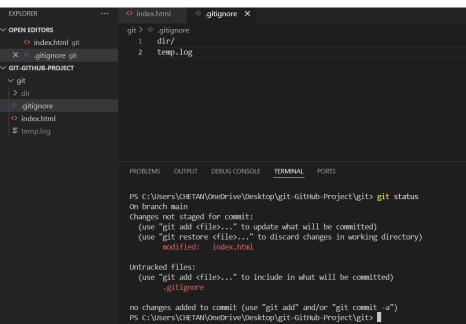
Create a .gitignore File:

```
ROBLEMS
        OUTPUT
               DEBUG CONSOLE
                           TERMINAL
                                    PORTS
PS C:\Users\CHETAN\OneDrive\Desktop\git-GitHub-Project\git> ls
  Directory: C:\Users\CHETAN\OneDrive\Desktop\git-GitHub-Project\git
1ode
                LastWriteTime
                                  Length Name
          27-01-2025 10:25 PM
                                     0 .gitignore
a----
                                    251 index.html
          27-01-2025 10:08 PM
a----
```

I have created a temp.log file and a dir folder.



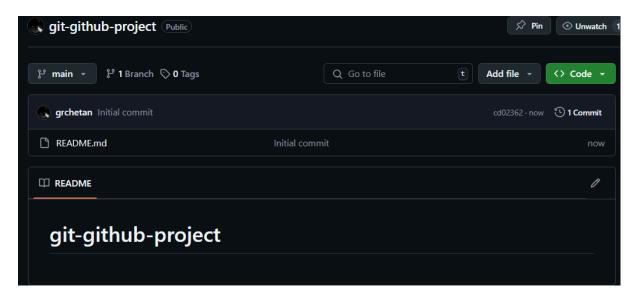




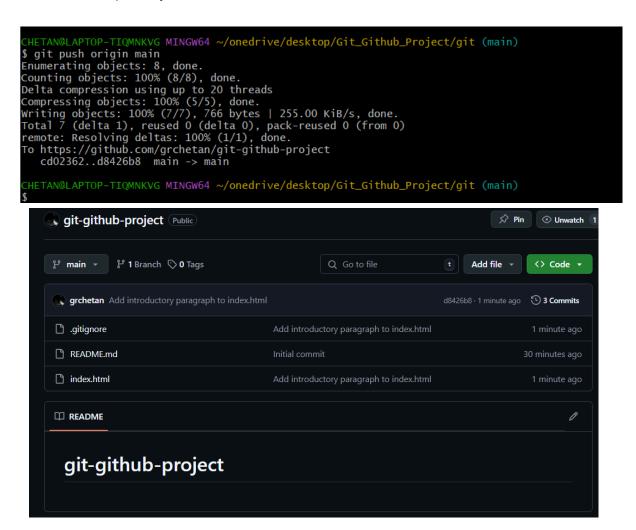
The temp.log file and dir folder will now be ignored and not tracked by Git.

4. Push to GitHub:

Create a GitHub Repository:



Push Local Repository to GitHub:



5. Create and Work on a New Branch:

Create a new branch called develop

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\CHETAN\OneDrive\Desktop\Git_Github_Project\git> git branch

* main

PS C:\Users\CHETAN\OneDrive\Desktop\Git_Github_Project\git> git branch develop

PS C:\Users\CHETAN\OneDrive\Desktop\Git_Github_Project\git> git branch develop

* main

PS C:\Users\CHETAN\OneDrive\Desktop\Git_Github_Project\git> 

* C:\Users\CHETAN\OneDrive\Desktop\Github_Project\git> 

* C:\Users\CHETAN\OneDrive\Desktop\Github_Project\git> 

* C:\Users\CHETAN\OneDrive\Desktop\Github_Project\git> 

* C:\Users\CHETAN\OneDrive\Desktop\Github_Project\git> 

* C:\Users\CHETAN\OneDrive\Desktop\Github_Project\git> 

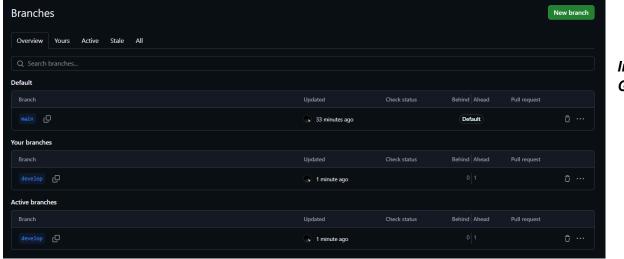
*
```

Update files in the develop branch and commit the changes.

6. Merge Branches:

Push develop Branch to GitHub

```
create mode 100644 style.css
PS C:\Users\CHETAN\OneDrive\Desktop\Git Github Project\git> git push origin develop
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 20 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 545 bytes | 545.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'develop' on GitHub by visiting:
             https://github.com/grchetan/git-github-project/pull/new/develop
To https://github.com/grchetan/git-github-project
 * [new branch]
                     develop -> develop
PS C:\Users\CHETAN\OneDrive\Desktop\Git Github Project\git>
```



In Github

Merge develop Branch into main:

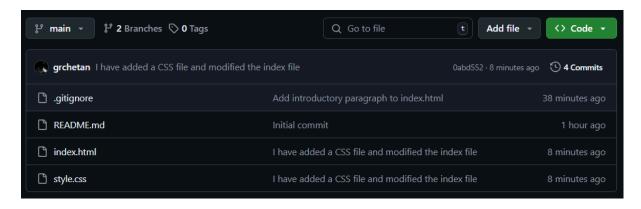
Push Merged Changes to GitHub:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\CHETAN\OneDrive\Desktop\Git_Github_Project\git> git push origin main Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/grchetan/git-github-project d8426b8..0abd552 main -> main

PS C:\Users\CHETAN\OneDrive\Desktop\Git_Github_Project\git> PS C:\Users\CHETAN\OneDrive\Desktop\Git_Github_Project\git>
```

The CSS file has been added to the main branch after merging



Github Repository main branch link

https://github.com/grchetan/git-github-project

Github Repository develop branch link

https://github.com/grchetan/git-github-project/tree/develop