Name: Kushagra Singh Github Assignment

We will set up the git repository on disk first

```
C:\Windows\System32\cmd.exe — X

Microsoft Windows [Version 10.0.19045.5247]
(c) Microsoft Corporation. All rights reserved.

D:\Git_Assignment>git init
Initialized empty Git repository in D:/Git_Assignment/.git/

D:\Git_Assignment>_

**C:\Windows\System32\cmd.exe — X

**Comparison of the comparison of the comparison
```

Then, we will add, commit and connect it to our github repository

Then, we'll switch branch to main branch and push it to the github repository

```
D:\Git_Assignment>git remote add origin https://github.com/Kushagra2025/Git_Assignment.git

D:\Git_Assignment>git branch -M main

D:\Git_Assignment>git push -u origin main

Enumerating objects: 3, done.

Counting objects: 100% (3/3), done.

Writing objects: 100% (3/3), 236 bytes | 118.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To https://github.com/Kushagra2025/Git_Assignment.git

* [new branch] main -> main

branch 'main' set up to track 'origin/main'.
```

Then, we'll create branch feature/update-readme, create README.md, and push it to feature branch of github repository.

```
D:\Git_Assignment>git push -u origin feature/update-readme
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), 308 bytes | 154.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

remote:

remote: Create a pull request for 'feature/update-readme' on GitHub by visiting:

remote: https://github.com/Kushagra2025/Git_Assignment/pull/new/feature/update-readme

remote:

To https://github.com/Kushagra2025/Git_Assignment.git

* [new branch] feature/update-readme -> feature/update-readme

branch 'feature/update-readme' set up to track 'origin/feature/update-readme'.

D:\Git Assignment>_
```

Then, we'll merge the feature and main branches, both locally and remote.

Then, we'll delete feature branch, both locally and remote.

```
D:\Git_Assignment>git branch
    feature/update-readme
* main

D:\Git_Assignment>git branch -d feautre/update-readme
error: branch 'feautre/update-readme' not found

D:\Git_Assignment>git branch -d feature/update-readme
Deleted branch feature/update-readme (was cdf2e5a).

D:\Git_Assignment>git push origin --delete feature/update-readme
To https://github.com/Kushagra2025/Git_Assignment.git
    - [deleted] feature/update-readme

D:\Git_Assignment>
```

KEY QUESTIONS:

1. HOW WILL YOU SET UP THE PROJECT FOR VERSION CONTROL AND PUSH IT TO GITHUB?

```
git init
git add .
git commit -m "commit message"
git remote add origin <repo name>
git branch -M main
git push -u origin main
```

2. WHAT STEPS WILL YOU TAKE TO CREATE, PUSH AND MANAGE BRANCHES EFFECTIVELY?

git checkout -b feature/update-readme git add . git commit -m "commit message" git push -u origin feature/update-readme

3. HOW WILL YOU ENSURE THE CHANGES IN THE BRANCH ARE MERGED INTO THE MAIN BRANCH?

git checkout main git merge feature/update-readme git push origin main

or

git push origin feature/updatereadme
Ceate Pull request on Github
Click "Merge Pull Request" after
pull request is reviewed.
Pull the merged changes:
git pull origin main

4. WHAT COMMANDS WILL YOU USE TO CLEAN UP THE UNUSED BRANCHES LOCALLY AND REMOTELY?

git branch -d feature/update-readme git push origin –delete feature/update-readme