**Assignment Tasks:**

**📁 Setup:**

1. Create a GitHub repository named todo-app.
2. Clone the repo to your local machine.
3. Initialize Git in the folder and push the initial project to GitHub.

**🌱 Branching & Feature Development:**

1. Create a new branch: feature/add-task.
2. In this branch, create a tasks.txt file.
3. Add code (or plain text) that lets users add a to-do task (e.g., one line = one task).
4. Commit the changes with a proper message:  
   feat: add functionality to add tasks.
5. Push the branch to GitHub.

**🛠️ Second Feature:**

1. Create another branch from develop: feature/delete-task.
2. Add logic (or comment) that deletes a task from the list.
3. Commit with message:  
   feat: add task deletion functionality.
4. Push the branch to GitHub.

**✅ Pull Requests:**

1. Open **two pull requests (PRs)** on GitHub:
   * One for feature/add-task → develop
   * One for feature/delete-task → develop
2. Assign yourself or a peer as a reviewer.
3. Merge both PRs into develop after review.

**🔁 Merge into Main:**

1. Create a release/v1.0 branch from develop.
2. Merge release/v1.0 into main.
3. Tag the release:  
   git tag v1.0 && git push origin v1.0

**🐛 Hotfix Simulation:**

1. Create a branch hotfix/fix-typo from main.
2. Fix a typo in tasks.txt or add a line that simulates a fix.
3. Commit with:  
   fix: correct typo in task list.
4. Merge it into both main and develop.

**✅ Expected Outcome (Solution Summary):**

* A GitHub repo with multiple branches (main, develop, feature/\*, hotfix/\*, release/\*).
* Two merged pull requests with clean commit history.
* Tags and a clear changelog (if using Conventional Commits).
* Proper use of Git commands like clone, branch, checkout, merge, rebase, pull, push, tag.