

Assignment 1: Git Basics (Local Repository)

Problem Statement

You are starting a new project called **Student-Management-System** and want to track code changes using Git.

Tasks

1. Create a new folder named student-management-system
2. Initialize Git repository
3. Create a file README.md and add project description
4. Check Git status
5. Stage and commit the file

Assignment 2: Working with Branches

Problem Statement

You need to add a new feature without affecting the main code.

Tasks

1. Create a branch named feature-login
2. Switch to the branch
3. Add file login.txt
4. Commit changes
5. Merge branch into main

Assignment 3: GitHub Integration

Problem Statement

Your project must be stored in GitHub for collaboration.

Tasks

1. Create a GitHub repository
2. Connect local repo to GitHub
3. Push code to GitHub
4. Verify files online

Assignment 4: GitHub Pull Request (PR)

Problem Statement

Changes must be reviewed before merging.

Tasks

1. Create a branch
2. Push branch to GitHub
3. Create Pull Request
4. Merge PR