

Assignment 3

You are part of a team working on a project called "**Task Manager**", a simple application to manage daily tasks. The project is stored in a Git repository. Your tasks involve managing different feature branches, resolving conflicts, and cleaning up the commit history before pushing changes to the main branch.

You can complete your code with simple file creation / using html / using python / using JavaScript as per your technology Knowledge.

- ☐ Setup
 1. Create Repo and Clone Repo
 2. Navigate to Your Repo
- ☐ Branching
 1. Create a new branch called feature/add-task for adding a feature to add tasks
 2. Create another branch called feature/delete-task for adding a feature to delete tasks
- ☐ Stashing
 1. Switch back to the feature/add-task branch
 2. Modify a file called xyz file and add a function for addingTask as per your technology
 3. Save the file but do not commit the changes. Instead, stash them
 4. Switch to the feature/delete-task branch and confirm the add Logic changes are not visible.
- ☐ Merging
 1. On the feature/delete-task branch, modify the taskManager.js file to add a deleteTask() function:
 2. Commit the changes
 3. Switch to the feature/add-task branch
 4. Apply the stashed change
 5. Commit the addTask() changes
 6. Merge the feature/delete-task branch into feature/add-task
- ☐ Conflict Resolution
 1. Simulate a conflict
 2. Commit the change
 3. Merge the main branch into feature/add-taskResolve the conflict manually in the taskManager.js file, then add and commit the resolved file
- ☐ Rebasing
 1. Switch to the main branch

2. Pull the latest changes
3. Rebase the feature/add-task branch on top of main
4. Push the rebased branch to the remote repository

☐ CleanUp

1. Check the Git log
2. Squash the commits in feature/add-task to clean up the history
3. hint: this you can do using rebase
4. `git rebase -i main`