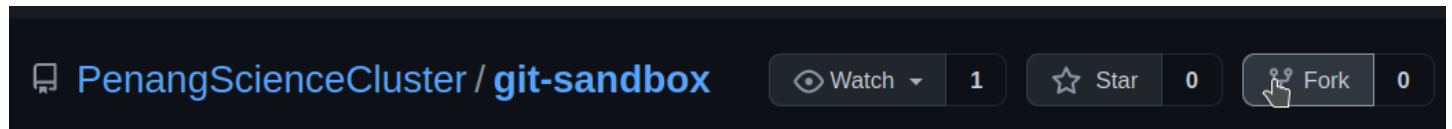
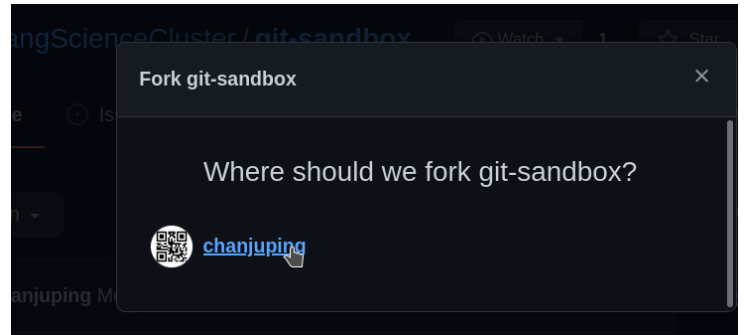


1. Fork the Sandbox Repository



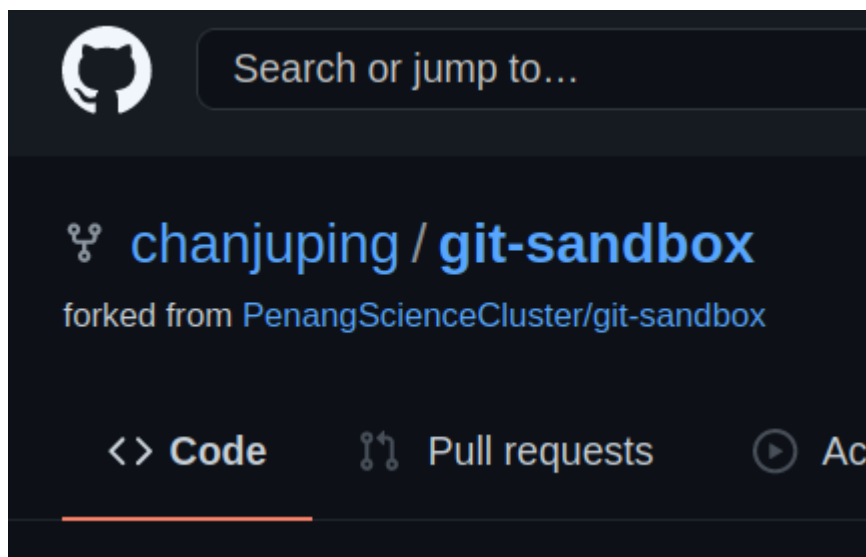
[https://github.com/
PenangScienceCluster/git-sandbox](https://github.com/PenangScienceCluster/git-sandbox)



①

While logged into GitHub, load our special sandbox repository, and fork the project.

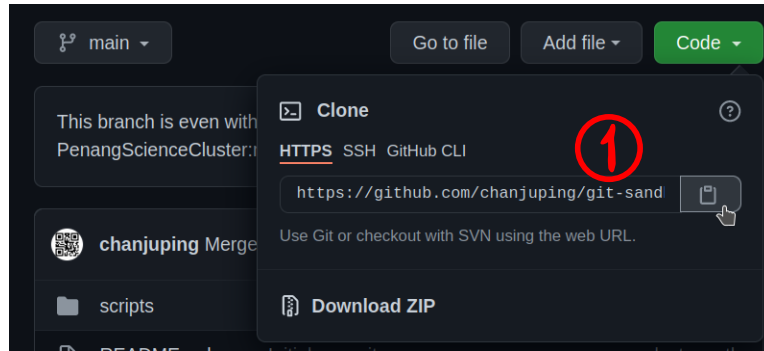
②



②

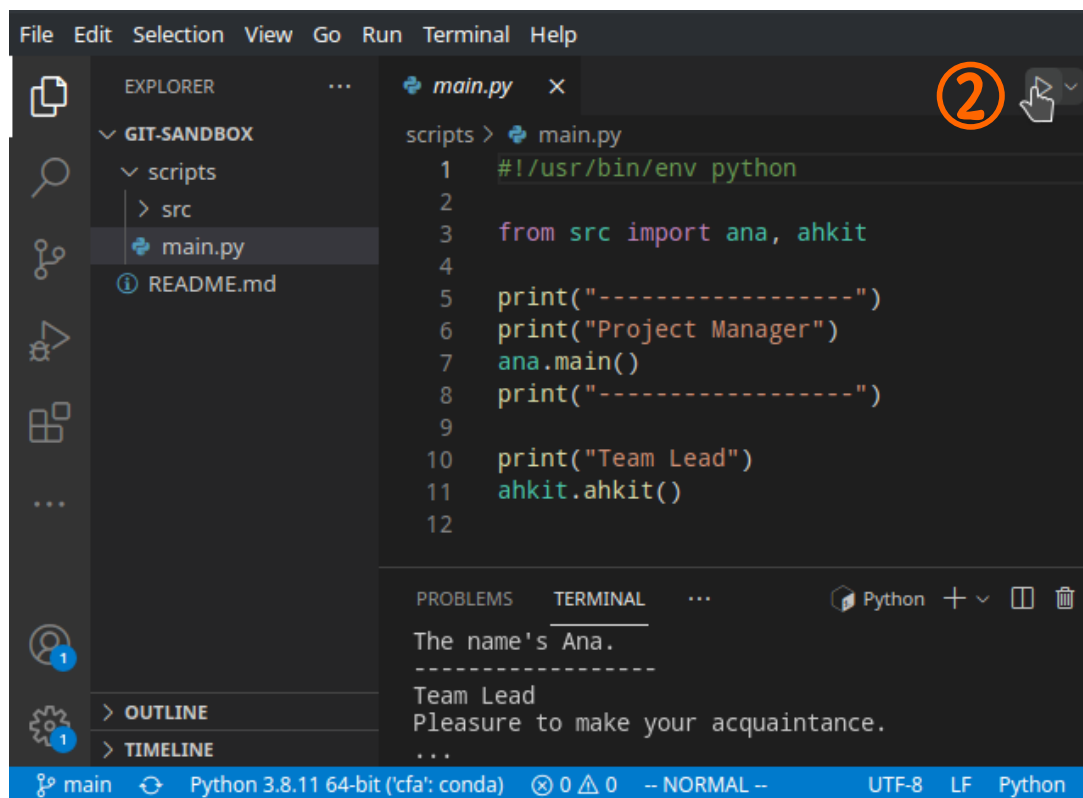
You should see the project repository is now parked with your user account.

2. Clone from your Fork



①

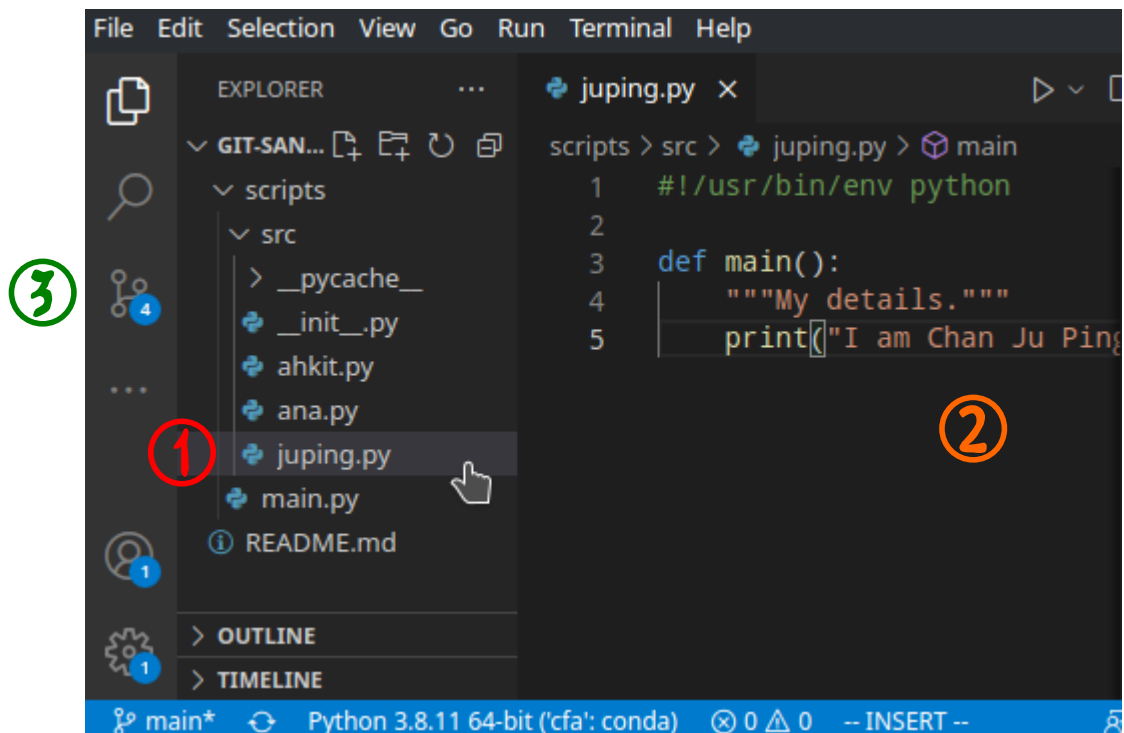
Copy the .git link under HTTPS and clone the repository using VS Code



②

Run the main.py Python script. Check that the output works.

3. Modify the project



①

Duplicate one of the profile scripts and rename it with your name.

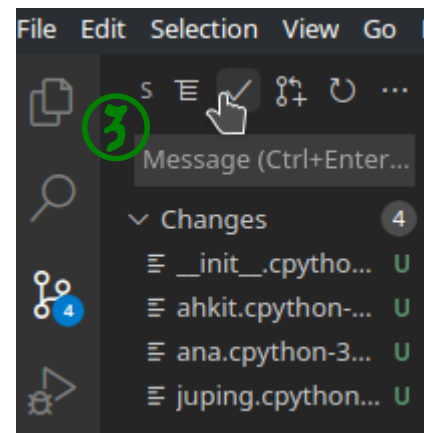
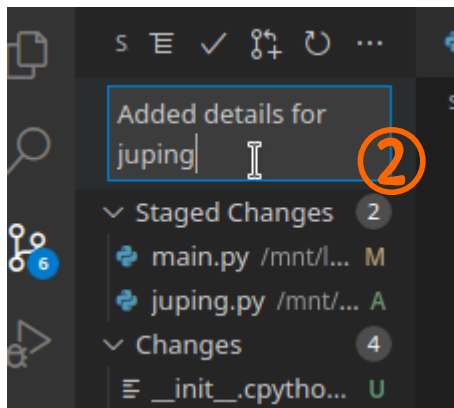
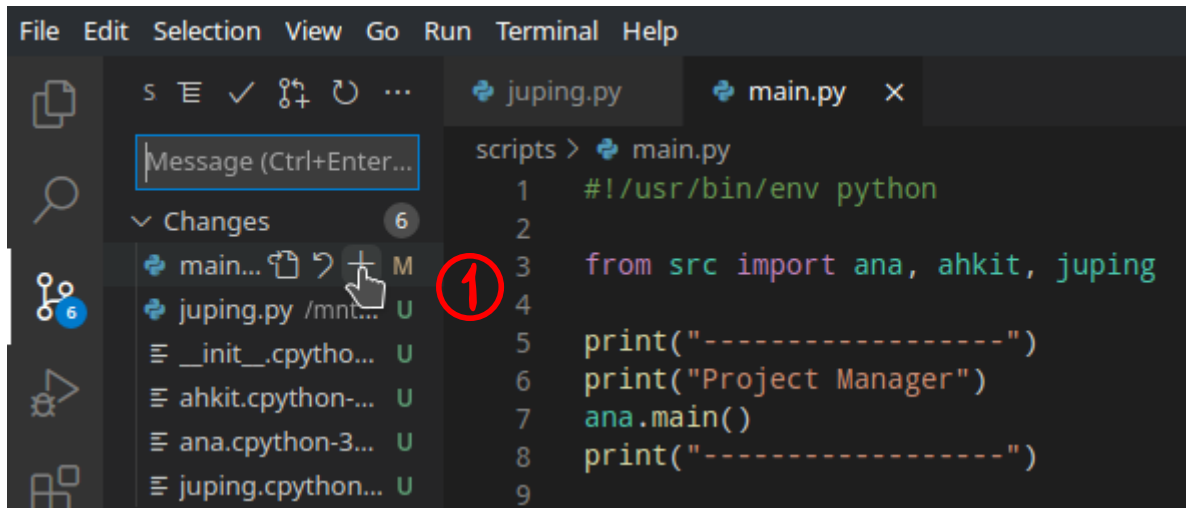
②

Change the internal details of the script with your personal details.

③

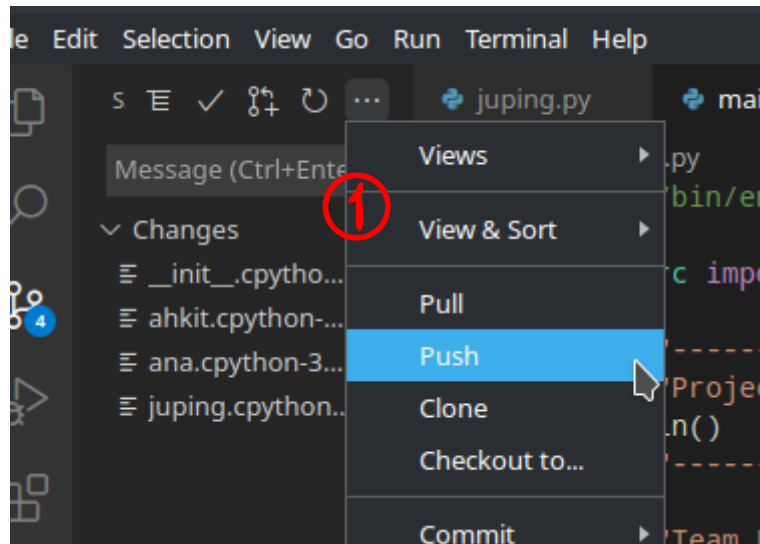
Source control will show how many local changes have been made.

4. Staging your changes

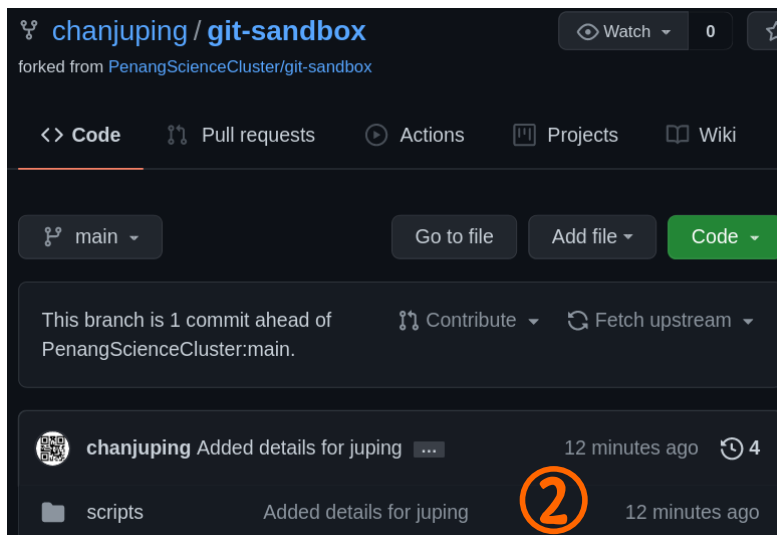


- ① In source control, click on the files you would like to stage.
- ② Write a short commit message explaining what has been added or changed.
- ③ If you have properly signed in and set your user credentials, you should be able to commit your changes.

5. Push your changes



① Click on the ... menu and choose push

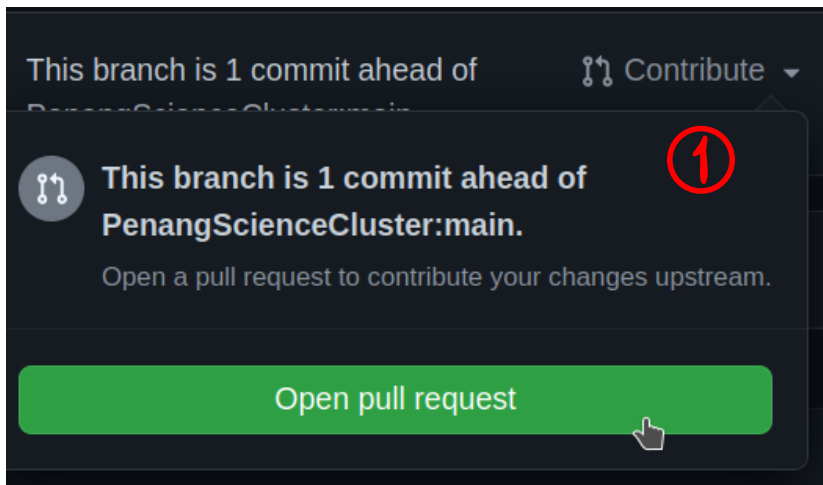


② Check your GitHub repository. The changes you committed and pushed should show up in your repository.

6. Make a Pull Request

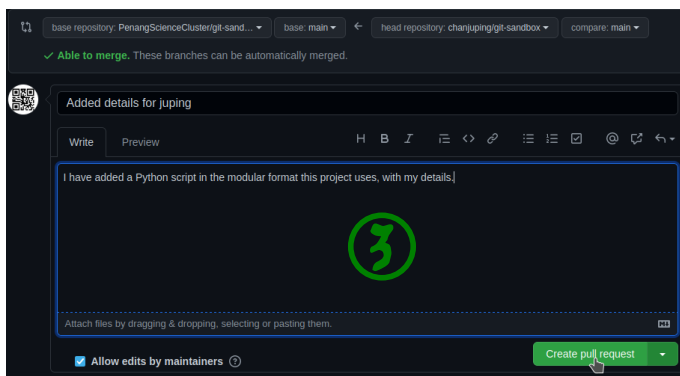
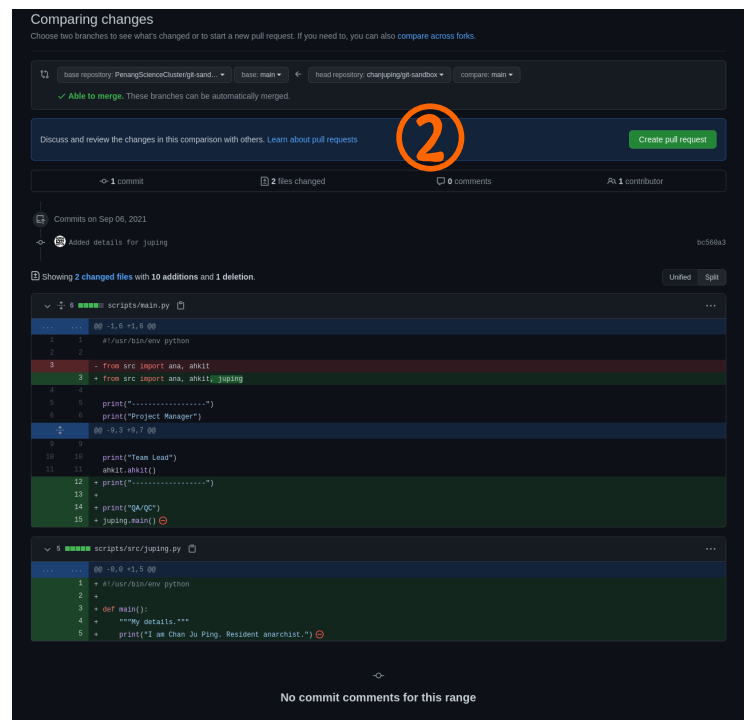
①

In your selected branch, select **Contribute**, and **Open pull request**.



②

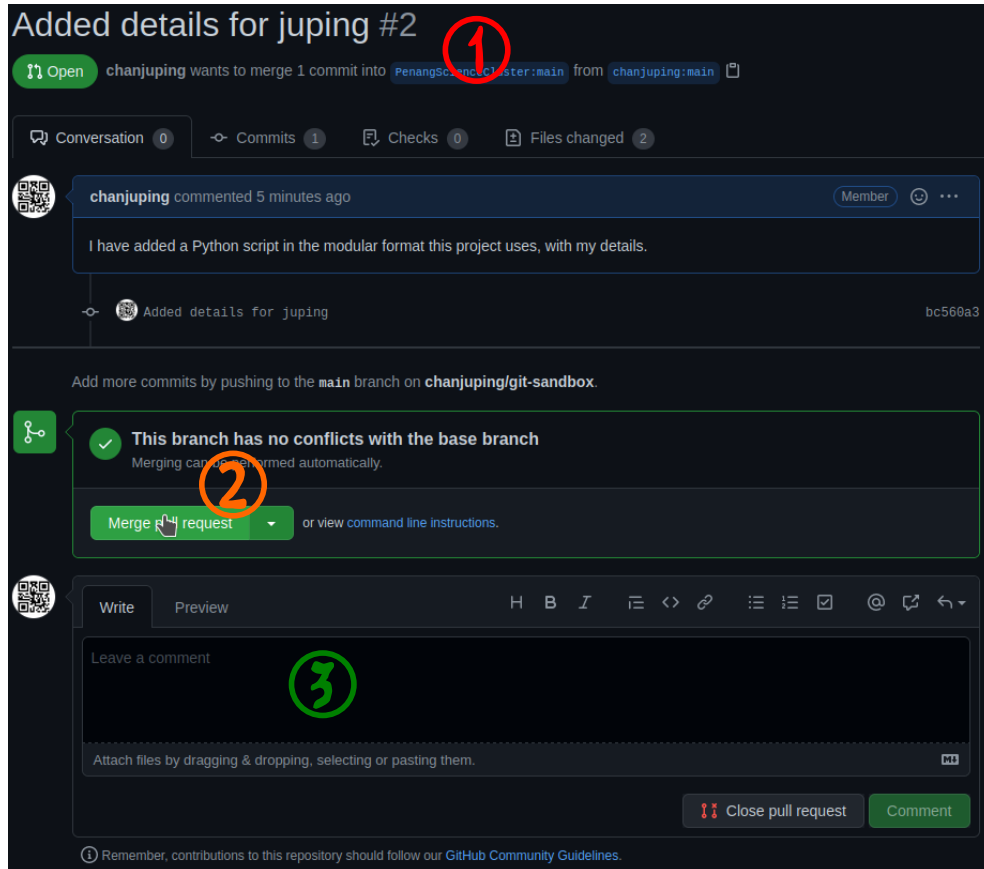
You can confirm the changes you have made, and which branch should your changes be merged into.



③

Explain in detail about this change. This is a message for the main developer.

7. Merging a Pull Request



①

The upstream branch developer will get a notification about the pull request.

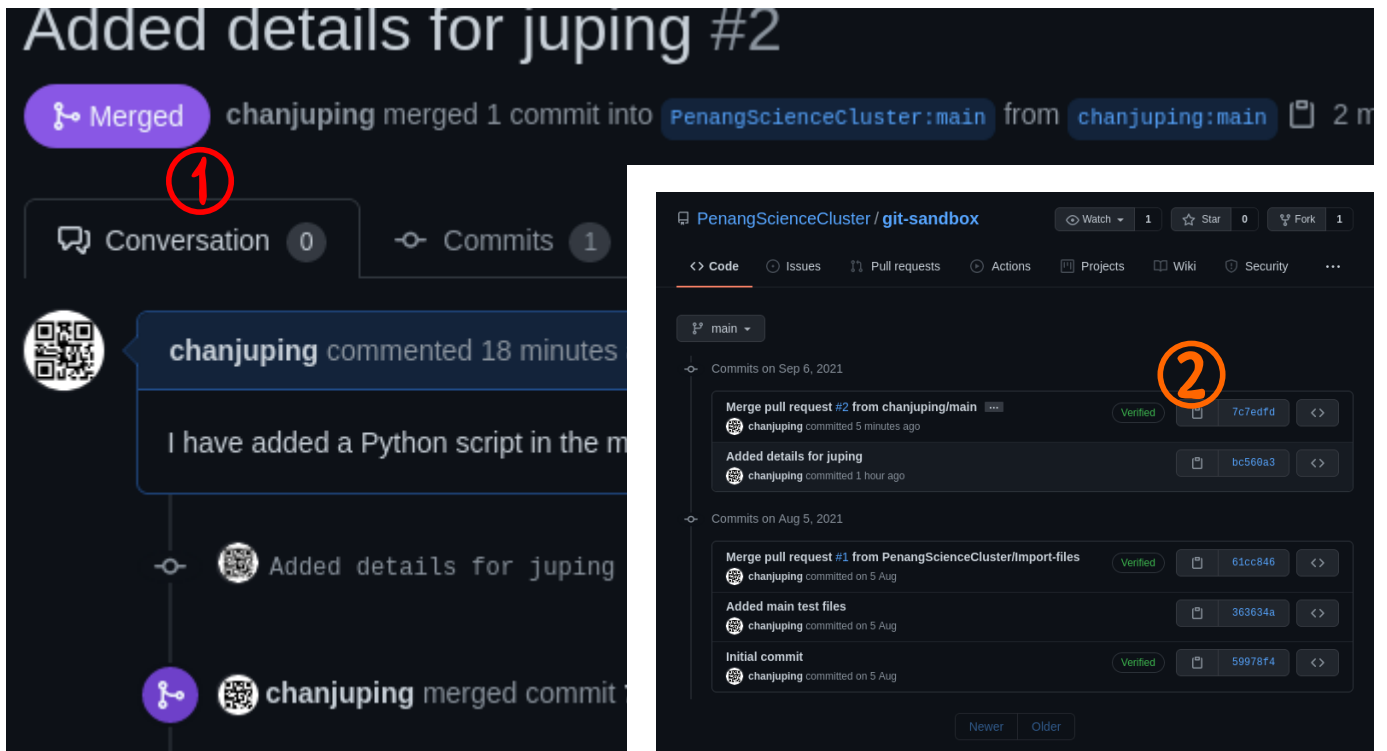
②

If there are no issues, you can merge the changes.

③

If there are blockers preventing the merging of the branch, you should explain why the change cannot be accepted, so the pull requester can make improvements before resubmitting their pull request.

8. Merged



①

The Merged notification page confirms the branches that have been merged.

②

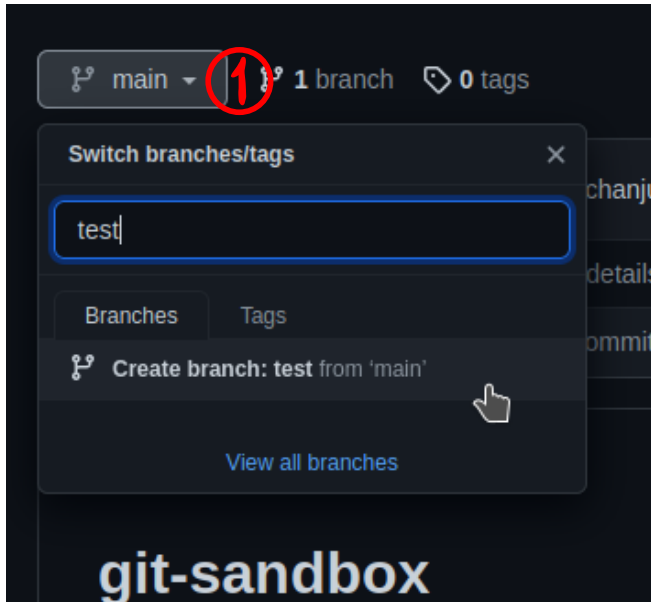
The commits page in GitHub shows the timeline of committed changes that have been made to the branch.

9. Branching

①

It can be messy doing all your developments and merging on the main branch.

It's best practice to create branches for merging and testing changes.



②

The new branch is exactly the same as the parent branch. You are now ready to use it to test out new changes.

