

13.3.2

Compare Branch to the main Branch

Basil has reviewed your code and is impressed with the comments you made; comments to your code allow others to understand what the code does. Now that your code has Basil's approval, Sadhana will walk you through the steps to merge your branch with the main branch. The first step when merging a branch is to compare the changes between the Simple_Leaflet_Map branch and the main branch.

To merge your Simple_Leaflet_Map branch with the main branch, we will:

1. Compare the changes between the Simple_Leaflet_Map branch and the main branch so that we can merge them.
2. If we are able to merge the Simple_Leaflet_Map branch into the main branch, we need to create a pull request on GitHub.
3. After we review the pull request, we can merge the branch into the main branch.

Let's compare the changes between our Simple_Leaflet_Map branch and the main branch:

1. Navigate to your Mapping_Earthquake GitHub repository.
2. To start merging your branch into the main branch, compare the branches to confirm they can be merged.

NOTE

If changes have been made in the main branch after you added your files to a branch, you might not be able to merge.

3. You have two ways to compare your branch with the main branch:
 - Click the green "Compare & pull request" button, or
 - Click the gray "New pull request" button.

(If you click the "Compare & pull request" button, skip to Step 5.)

The screenshot shows the GitHub repository page for 'Simple_Leaflet_Map'. At the top, under 'Your recently pushed branches:', the 'Simple_Leaflet_Map' branch is listed with a yellow arrow pointing to a 'Compare & pull request' button. Below this, the 'base: main' dropdown is highlighted with a yellow arrow, next to a 'New pull request' button. To the right are buttons for 'Create new file', 'Upload files', 'Find file', and 'Clone or download'. The commit history shows an 'Initial commit' for 'README.md' 6 minutes ago. The file viewer shows the 'README.md' file with the title 'Mapping_Earthquakes'.

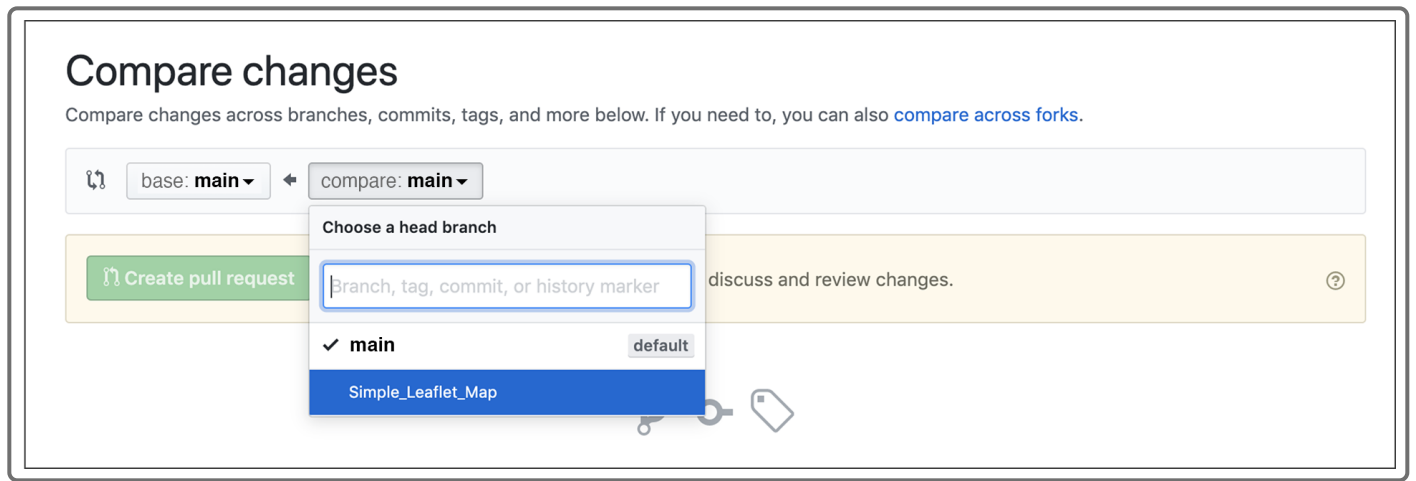
4. If you click the "New pull request" button, a new page will open with two buttons: "base: **main**" and "compare: **main**." Compare the Simple_Leaflet_Map branch with the base or main branch.

NOTE

Developers and team members often refer to pull requests as "PRs."

The screenshot shows the 'Compare changes' page on GitHub. The title 'Compare changes' is at the top. Below it, a message says 'Compare changes across branches, commits, tags, and more below. If you need to, you can also [compare across forks](#).' There are two dropdown menus: 'base: main' and 'compare: main', with a double arrow between them. At the bottom, there is a green 'Create pull request' button and a message: 'Choose different branches or forks above to discuss and review changes.'

5. Click on the "compare: **main**" button and select the branch you want to compare (the Simple_Leaflet_Map branch).



Next, Sadhana will show you how to create a pull request required to merge a branch with the main branch.

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