



IBM Developer
SKILLS NETWORK

Hands-on Lab: Creating and merging branches in your GitHub repo

Effort: 20 min

Objectives

After completing this lab you will be able to:

1. Create a branch
2. Commit changes in the child branch
3. Open a pull request (PR)
4. Merge the PR into the master branch

Pre-requisites

This hands-on lab requires you to have already created a GitHub account, and added a project to it, as illustrated in the [previous lab](#).

Exercise 1: Creating a branch

You can create or delete branches directly on GitHub.

Step 1: Currently, there is one branch as shown below:

Step 2: On GitHub, navigate to the main page of the repository.

Step 3: Click the **Branch selector** menu. Enter the name of the branch you want to create and press **Enter**.

Step 4: Observe that your repository has two branches Master and Child_Branch (check using arrow).

Whatever is in the master file is copied to the child branch. But when we add a file or edit any file in child branch that will not reflect in the 'Master' branch.

Exercise 2: Adding a file in the Child Branch

Step 1: Click **Add file** and select **Create New file** to create a file in the repository.

Step 2: Provide the file name and the extension of the file. For example, testchild.py and add the lines.

The file has added to the child branch.

Exercise 3: Open a Pull Request

You can check the master branch now there is no testchild.py file by selecting the **Branch selector** menu.

Or you can also compare the file as shown below with the option given **Compare and pull request**.

Your request has now merged successfully.

Now, the child branch has completely merged with the Master branch. You can check the Master branch is having the testchild.py file.

Once you click **Merge Pull request**, you will see a button **Confirm merge**.

Your request has now merged successfully.

In this document, you have learned how to create a branch, edit and commit the changes, open a pull request and merge the request.

Author(s)

Malika Singla

Other Contributor(s)

Rav Ahuja

Changelog

| Date | Version | Changed by | Change Description |
|------------|---------|---------------|---|
| 2020-07-16 | 0.4 | Malika Singla | Spell check, steps added |
| 2020-07-14 | 0.3 | Rav Ahuja | Changed logo, updated title, intro, objectives, added Effort, Authors and Changelog |
| 2020-07-13 | 0.2 | Malika Singla | Added to GitLab and made some formatting changes, added objectives, etc. |
| 2020-06-30 | 0.1 | Malika Singla | Drafted initial version |

Once you click **Merge Pull request**, you will see a button **Confirm merge**.

Your request has now merged successfully.

Now, the child branch has completely merged with the Master branch. You can check the Master branch is having the testchild.py file.

Once you click **Merge Pull request**, you will see a button **Confirm merge**.

Your request has now merged successfully.

In this document, you have learned how to create a branch, edit and commit the changes, open a pull request and merge the request.

Author(s)

Malika Singla

Other Contributor(s)

Rav Ahuja

Changelog

| Date | Version | Changed by | Change Description |
|------------|---------|---------------|---|
| 2020-07-16 | 0.4 | Malika Singla | Spell check, steps added |
| 2020-07-14 | 0.3 | Rav Ahuja | Changed logo, updated title, intro, objectives, added Effort, Authors and Changelog |
| 2020-07-13 | 0.2 | Malika Singla | Added to GitLab and made some formatting changes, added objectives, etc. |
| 2020-06-30 | 0.1 | Malika Singla | Drafted initial version |

Once you click **Merge Pull request**, you will see a button **Confirm merge**.