

Objectives

After completing this lab you will be able to:

1. Create a branch
2. Commit changes to a child branch
3. Open a pull request
4. Merge a pull request into the main branch

Prerequisites

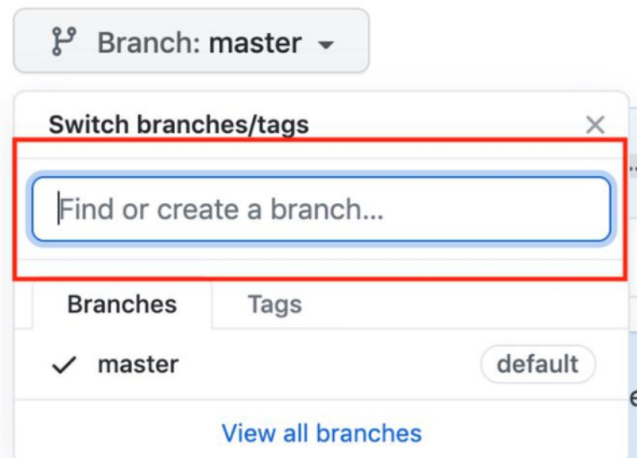
This hands-on lab requires you to have created a GitHub account and added a project to it, as covered in the [Getting started with GitHub](#) lab.

NOTE: In the past the default branch in your GitHub repo used the name `master`. Effective Oct 1, 2020, all new GitHub repositories use the more inclusive term `main` as the name of the default branch

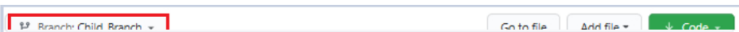
1. Create a branch

You can create or delete branches using your repository's GitHub web page. To add a branch to your repository, complete the following steps:

1. Go to your repository's main page. Note that when you created your repository, the **main** branch was created for you:
2. At the top of the page, below the branch drop-down menu, click the **Branch** drop-down menu. (By default, the menu displays **Branch: main**.) Click the drop-down menu, type the name of the branch you want to create, and press **Enter**.



Your repository now has two branches: **Main** and **Child_Branch**. You can click the drop-down menu to see your branches.

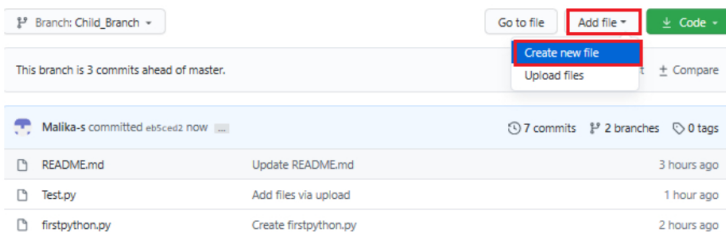


Any files that were in the **main** branch have now been copied to **Child_Branch**. Note that when you add or edit a file in **Child_Branch**, that change will not automatically be made in the **main** branch.

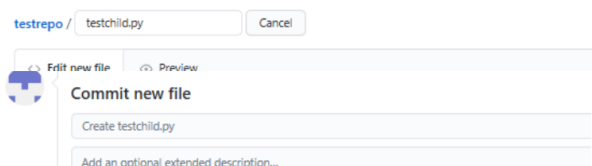
2. Add a file to a branch

To add a file to your new branch, ensure that **Child_Branch** (or whatever name you gave your branch) is displayed in the **Branch** drop-down menu and complete the following steps:

1. Click **Add file** > **Create new file** to create a file in the repository.



2. Type a name and extension for the file – for example, `testchild.py` – and add the following lines to the body of the new file:



The file is added to your child branch.

The file that you added to your child branch is not automatically added to the **main** branch. (You can check this by using the **Branch** drop-down menu to go to the **main** branch; note that there is no **testchil**)

2. Scroll to the bottom of the page and note that there is **1 changed file** listed.

3. Scroll up and note that GitHub is comparing the **main** and **Child Branch** branches and that there are no conflicts between the two. Optionally, you can add a comment to the pull request. Click **Create pull** :

The pull request is created and can now be merged by a repository administrator.

To merge a pull request into a project, complete the following steps:

1. Click the **Pull requests** tab. A list of pending pull requests is displayed.
2. Click the pull request that you want to merge into the main project. If you are satisfied with the changes, click **Merge pull request** to accept the pull request and merge the updates. (You can add a comment to the pull request before merging.)

3. When you click **Merge pull request**, a **Confirm merge** button is displayed. Click that button to complete the merge.

Child branch #1

Child Branch

Open Malika-s wants to merge 3 commits into master from Child_Branch

Conversation 0 Commits 3 Checks 0 Files changed 1

Malika-s commented 4 minutes ago

Want to change in the master branch.

Malika-s added 3 commits 27 minutes ago

Create testchild

Verified 9767921


Delete testchild

Verified 48b4479

Commmerge

Cancel

The pull request has now been merged successfully. Note that you can delete the child branch because your changes have been incorporated into the **main** branch.



Pull request successfully merged and closed

You're all set—the Child_Branch branch can be safely deleted.

Delete branch

Check the list of files in the **main** branch to confirm that it now includes the file that you added in the pull request.

Malika-s committed 7a7c576 3 minutes ago	8 commits	2 branches	0 tags
README.md	Update README.md	3 hours ago	
Test.py	Add files via upload	1 hour ago	
firstpython.py	Create firstpython.py	3 hours ago	
testchild.py	Create testchild.py	21 minutes ago	

Summary

Congratulations! You’ve now learned how to create a branch, edit and commit changes in that branch, open a pull request, and merge the pull request into your main project. We encourage you to continue to with the concepts and processes.

Tutorial details

Author:

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Other contributor:

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Changelog:

Doc	Update	Change Log	Change Description
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