

AGENDA

Today we will learn:

- What is a 'pull request'
- Difference between 'pull request' & 'merge request'
- Create the first 'pull request'
- Add collaborators to a repository
- Assignee VS Reviewer in PR
- Merging strategies



Pull Request

The screenshot shows the GitHub interface for the repository 'AndriiPiatakha/learnit_git'. The 'Pull requests' tab is selected. A modal dialog at the top says 'Label issues and pull requests for new contributors' with a 'Dismiss' button. Below it, a search bar contains 'ispr is:open'. Filter options show '0 Open' and '1 Closed'. The main message 'There aren't any open pull requests.' is displayed, along with a link to search 'all of GitHub' or 'advanced search'.

click on “New Pull Request” button and then select which branch to pull from which

The screenshot shows the GitHub interface for the repository 'AndriiPiatakha/learnit_git'. The 'Compare' tab is selected. The 'base' dropdown is set to 'master' and the 'compare' dropdown is set to 'TA0001_discount_calculation'. A yellow box highlights the 'Create pull request' button. Below it, the text 'Compare and review just about anything' and 'Branches, tags, commit ranges, and time ranges. In the same repository and across forks.' is shown. A table of example comparisons is present:

Example comparisons	
TA0001_discount_calculation	38 seconds ago
master@{1day}...master	24 hours ago

after selecting click on “create pull request” button

Go to Settings → Manage Access → Invite a collaborator

Click on “merge pull request” to merge the pull request to master branch

The screenshot shows a GitHub pull request page for a repository named 'Ta0001 discount calculation'. The pull request has been merged into the 'master' branch from the 'Ta0001_discount_calculation' branch. The code editor shows a single commit with three lines of Java code:

```
3 +     public static void main(String[] args) {  
4 +  
5 + }
```

The author, AndriiPiatakha, has self-assigned the pull request. A note says, "Why so many spaces here???:)". Below the code editor, there's a message: "Add more commits by pushing to the TA0001_discount_calculation branch on AndriiPiatakha/learnit_git". A sidebar on the right provides CI status and merge options. The "Merge pull request" button is highlighted with a cursor.

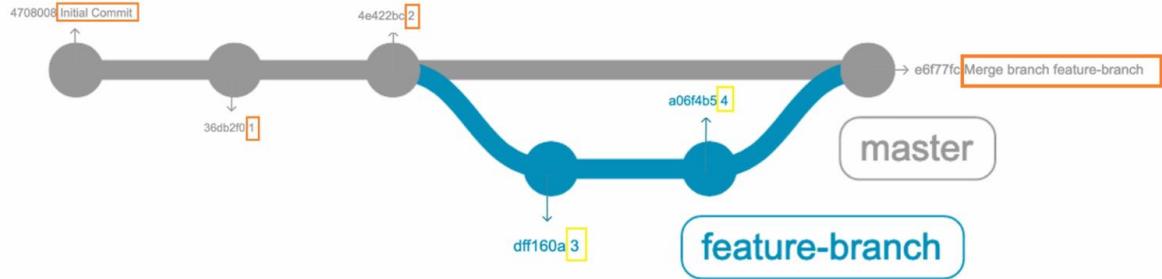
but it also has 3 methods but must choose the default i.e. create a merge commit

This screenshot is similar to the previous one, showing the same pull request for 'Ta0001 discount calculation'. The merge options sidebar is now open, revealing three choices:

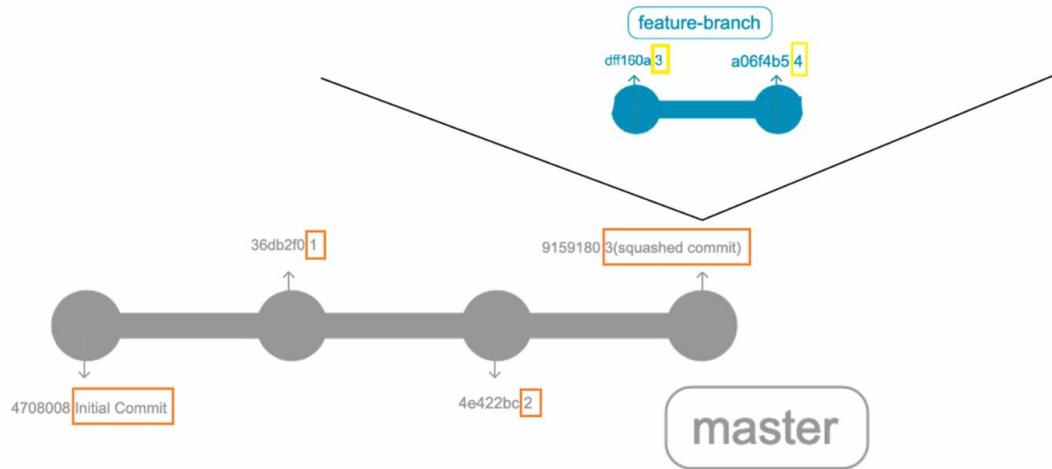
- Create a merge commit**: All commits from this branch will be added to the base branch via a merge commit.
- Squash and merge**: The 2 commits from this branch will be combined into one commit in the base branch.
- Rebase and merge**: The 2 commits from this branch will be rebased and added to the base branch.

The "Rebase and merge" option is currently selected, indicated by a blue background. The "Merge pull request" button is visible at the bottom of the sidebar.

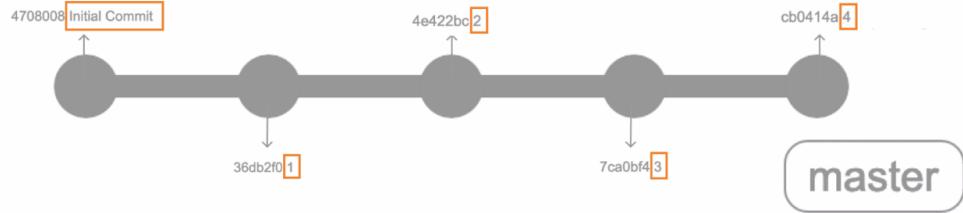
Create a Merge Commit



Squash and Merge



Rebase and Merge



For all 3 methods of merging in settings

⚠ You can now manage Dependabot alerts and Dependabot security updates in the [Security & analysis settings page](#).

Merge button

When merging pull requests, you can allow any combination of merge commits, squashing, or rebasing. At least one option must be enabled. If you have linear history requirement enabled on any protected branch, you must enable squashing or rebasing.

Allow merge commits ✓
Add all commits from the head branch to the base branch with a merge commit.

Allow squash merging ✓
Combine all commits from the head branch into a single commit in the base branch.

Allow rebase merging
Add all commits from the head branch onto the base branch individually.

After pull requests are merged, you can have head branches deleted automatically.

Automatically delete head branches
Deleted branches will still be able to be restored.

Archives

When creating source code archives, you can choose to include files stored using Git LFS in the archive.

- Include Git LFS objects in archives
Git LFS usage in archives is billed at the same rate as usage with the client.

Udemy

from here you will choose which option(s) to be seen from that particular repository

The screenshot shows a GitHub pull request page for a repository named 'Ta0001 discount calculation' (pull/2). The pull request is from the branch 'Ta0001_discount_calculation' into the 'master' branch. A comment from the user 'AndriiPiatakha' is visible, asking 'Why so many spaces here???:)'.

Below the comment, it says 'AndriiPiatakha self-assigned this 6 minutes ago'. A note at the bottom of the screen says 'Add more commits by pushing to the TA0001_discount_calculation branch on AndriiPiatakha/learnit_git.'

The main area shows several merge options:

- Continuous integration has not been set up**: GitHub Actions and several other apps can be used to automatically catch bugs and enforce style.
- This branch has no conflicts with the base branch when rebasing**: Rebase and merge can be performed automatically.
- Create a merge commit**: All commits from this branch will be added to the base branch via a merge commit. Not enabled for this repository.
- Squash and merge**: The 2 commits from this branch will be combined into one commit in the base branch. Not enabled for this repository.
- Rebase and merge** (selected): The 2 commits from this branch will be rebased and added to the base branch.

At the bottom right of the merge options, there are 'Close pull request' and 'Comment' buttons. A note at the bottom left says 'Remember, contributions to this repository should follow our GitHub Community Guidelines.'