



Experiment -1.2

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Branch: CSE (Devops)

Semester: 4th

Subject Name: Git and Git Hub

UID: 22BDO10009

Section/Group: 22BCD-1\A

Date of Performance: 24/01/24

Subject Code: 22CSH-293

1. Aim/Overview of the practical:

Creating branches with GitHub and merging with the main branch.

2. Task to be done:

Create branch of a repository and make changes and merge the file into main branch.

3. Steps for experiment/practical:

1. Create a New Branch:

Navigate to your GitHub repository on the web.

Click on the "Branch: main" button near the top left of the page.


In the text box that appears, type a name for your new branch and press Enter.

Create a branch

New branch name

branch1

Source

 main

Cancel

Create new branch

2. Make Changes:

Navigate to the newly created branch by clicking on the branch name dropdown and selecting your branch.

3. Edit and Commit Changes:

Make changes to your code or add new files.

Scroll down to the "Changes" section.

Enter a commit message in the "Commit changes" section.

Click on the "Commit changes" button.

4. Create a Pull Request:










Once you've committed your changes to the new branch, GitHub will display a message with a "Compare & pull request" button.

Click on the "Compare & pull request" button.





Add a description

WritePreview

H B I  < >      @   

Add your description here...

 Markdown is supported  Paste, drop, or click to add files

Create pull request

5. Open a Pull Request:

You'll be taken to a page where you can review your changes. Add any additional comments if needed.

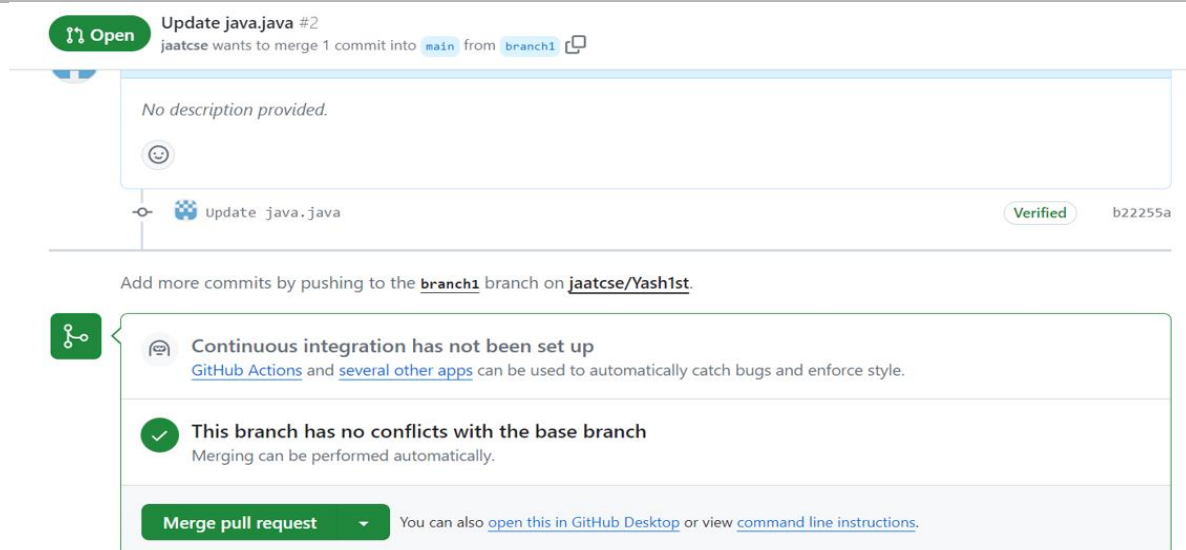
Click on the "Create pull request" button.

6. Merge the Pull Request:

After the pull request is reviewed and approved, you can merge it.

Click on the "Merge pull request" button.

Optionally, confirm the merge.



Open Update java.java #2
jaatcse wants to merge 1 commit into `main` from `branch1`

No description provided.

Update java.java Verified b22255a

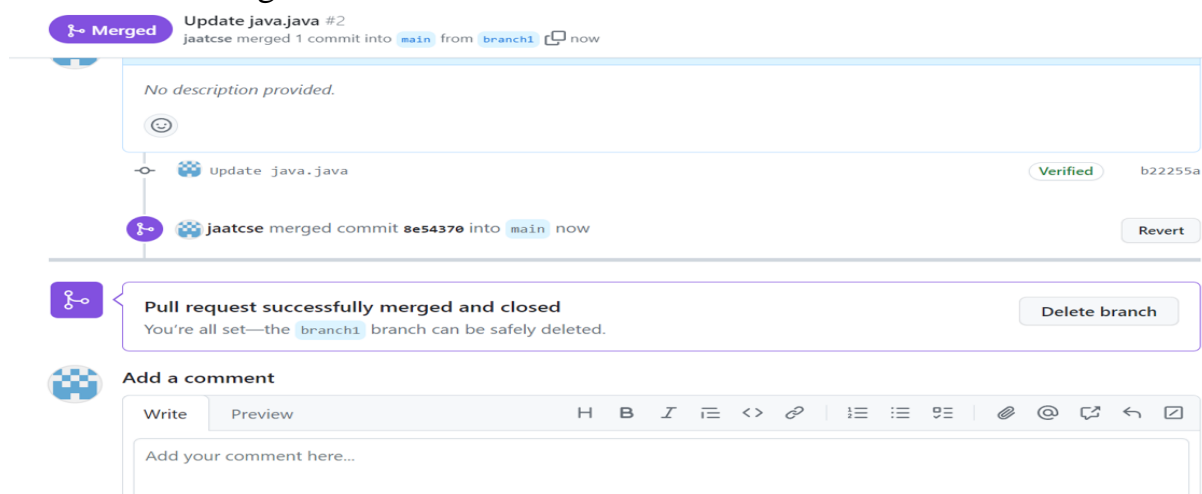
Add more commits by pushing to the `branch1` branch on [jaatcse/Yash1st](#).

- 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
Merging can be performed automatically.

Merge pull request You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

7. Confirm the Merge:

Once the pull request is merged, GitHub will prompt you to confirm the merge. Confirm the merge.



Merged Update java.java #2
jaatcse merged 1 commit into `main` from `branch1` now

No description provided.

Update java.java Verified b22255a

jaatcse merged commit `8e54370` into `main` now Revert

Pull request successfully merged and closed
You're all set—the `branch1` branch can be safely deleted. Delete branch

Add a comment

Write Preview H B I

Add your comment here...

8. Delete the Branch (optional):

After merging, GitHub will give you the option to delete the branch. Choose to delete the branch if you no longer need it.

Learning outcomes (What I have learnt):



1. Understanding Git Bash Commands
2. Use of GitHub Repository URL
3. Creating a Local Copy using Git bash.
4. Navigating Directories.
5. Connecting Local and Remote Repositories

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			