

Experiment -1.2

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Branch: CSE Devops

Semester: 4th

Subject Name: Git and Git Hub

UID: 22BDO10039

Section/Group: 22BCD-1\A

Date of Performance: 17/01/24

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.

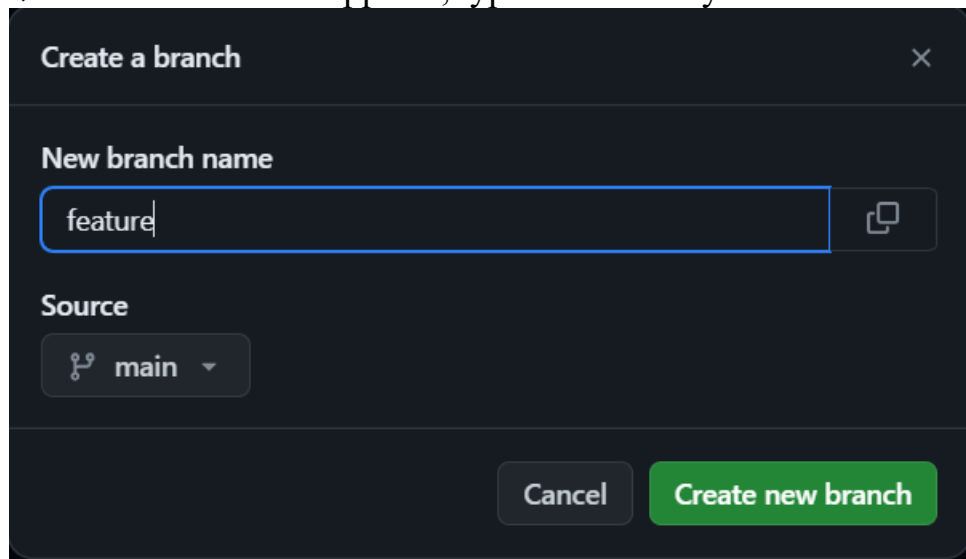
3. Steps for experiment/practical:

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.



2. Make Changes:

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

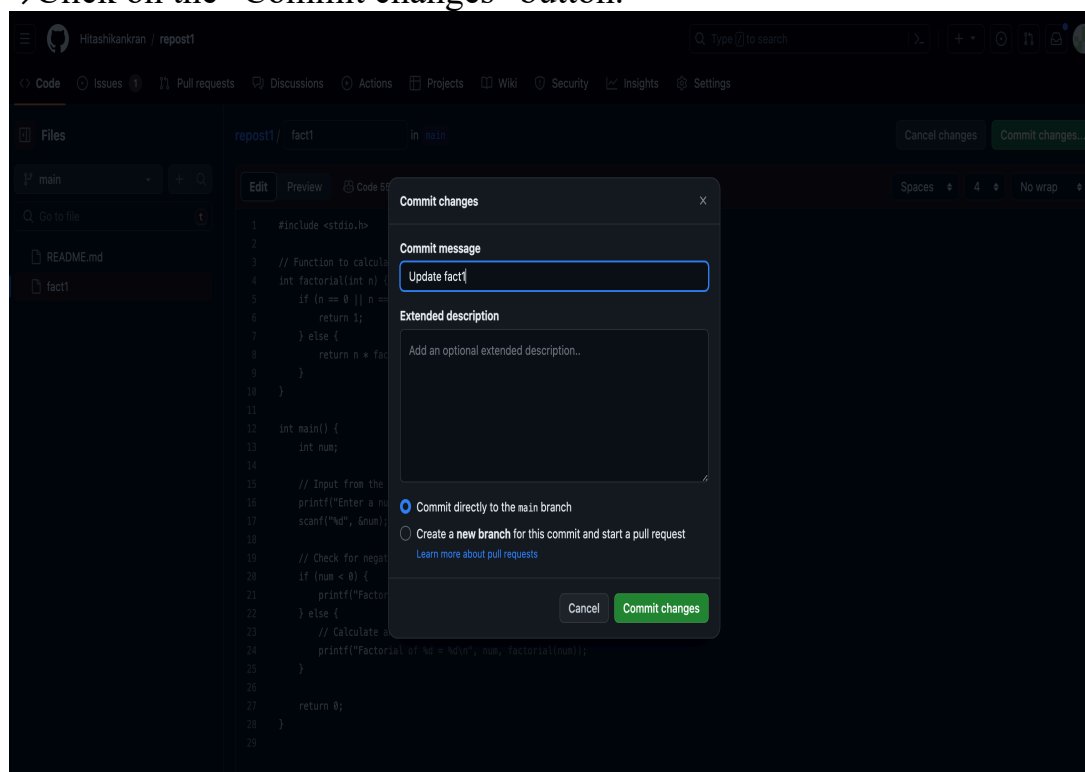
3. Edit and Commit Changes:

→ Make changes to your code or add new files.

→ Scroll down to the "Changes" section.

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

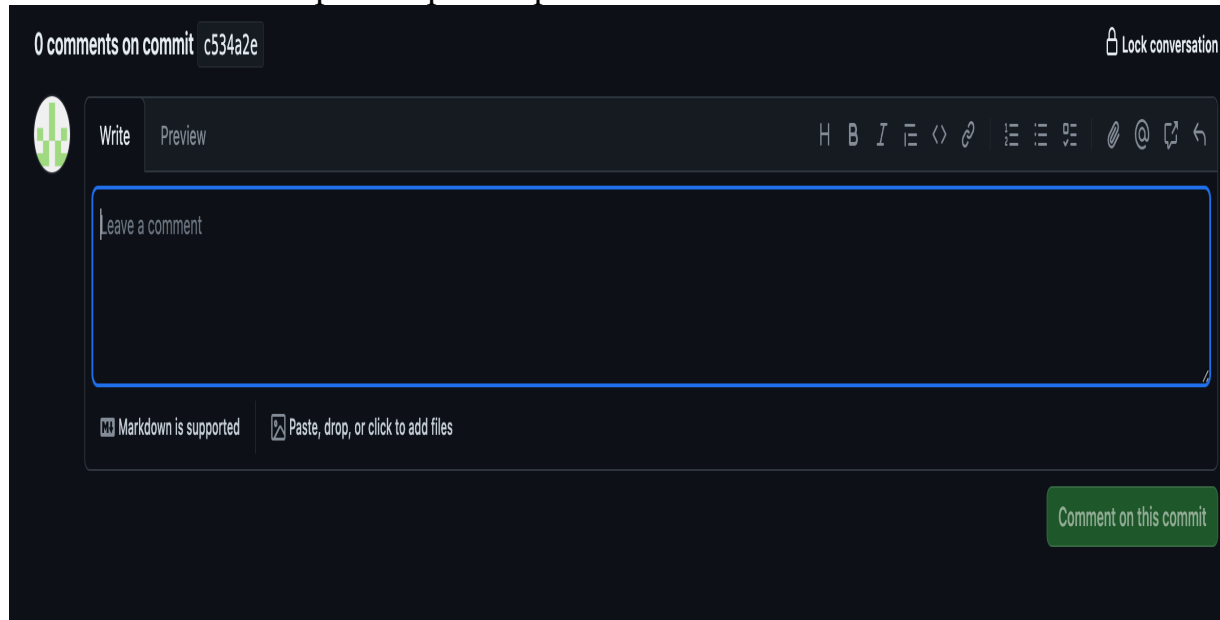
→ Click on the "Commit changes" button.



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.

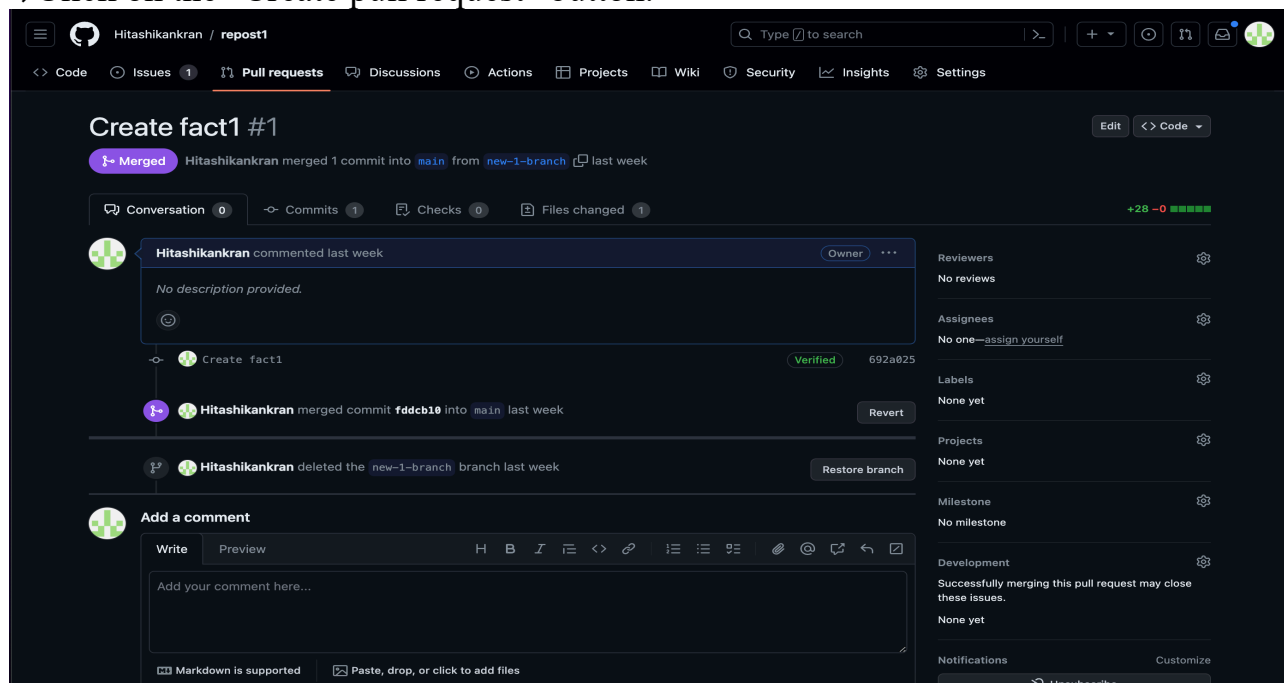
→ Click on the "Compare & pull request" button.



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.

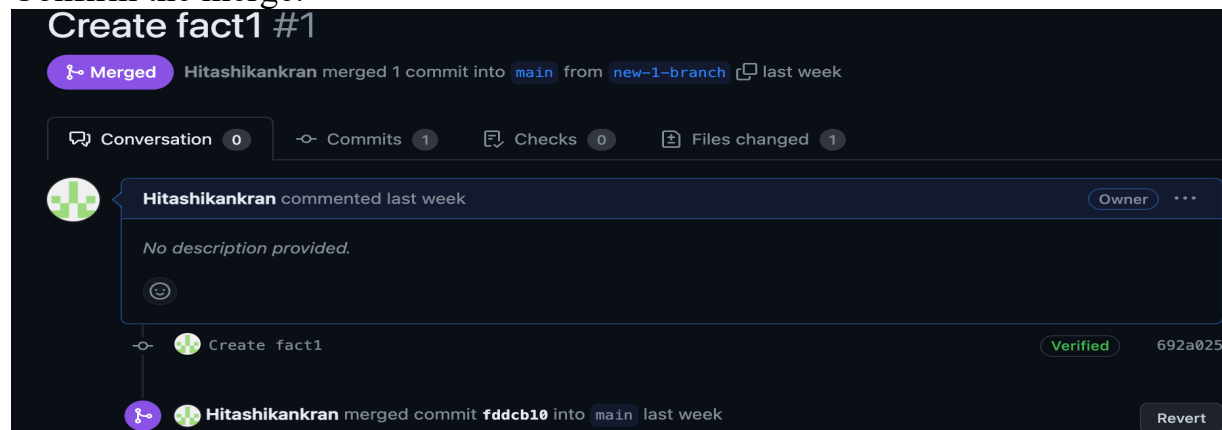
→Click on the "Merge pull request" button.

Optionally, confirm the merge.

7. Confirm the Merge:

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

Confirm the merge.



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 the Git Bash Commands
2. What is 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.			