



Experiment -1.3

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Branch: CSE(DEVOPS)

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Subject Name: GIT AND GITHUB

UID: 22BDO10031

Section/Group: 22BCD-1/A

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Subject Code: 22CSH-293

1. Aim/Overview of the practical: To and explore pull request.

2. Software used: Git Bash and GitHub.

Task to be done: Create branch of a repository and make changes and merge the file into main branch.

4. Steps for experiment:

There are 2 main workflows when dealing with pull requests:

1. Pull Request from a [forked repository](#)
2. Pull Request from a branch within a repository

1) Initialize Git.

Clone the Repository:

2) Clone the repository to your local machine using the git clone command:

```
For more details, please visit https://support.apple.com/kb/HT208050.  
Aditis-MacBook-Air:~ aditipandey$ git clone https://github.com/AditiPandey568/new3.git  
Cloning into 'new3'...  
warning: You appear to have cloned an empty repository.
```

3) Changing to a Specific Directory:



Specify the directory you want to change to. This can be an absolute path (starting from the root directory) or a relative path (relative to the current directory).

4) Create a New Branch:

- Create a new branch for your changes using the **git checkout -b** command:

5) Make Changes:

Make your desired changes to the codebase using your preferred text editor.

6) Stage and Commit Changes:

Stage the changes you've made using the **git add** command.

```
Aditis-MacBook-Air:~ aditipandey$ cd new3
Aditis-MacBook-Air:new3 aditipandey$ git checkout -b work
Switched to a new branch 'work'
Aditis-MacBook-Air:new3 aditipandey$ git branch
Aditis-MacBook-Air:new3 aditipandey$ git branch
Aditis-MacBook-Air:new3 aditipandey$ vi aditi
Aditis-MacBook-Air:new3 aditipandey$ git status
On branch work

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)

        aditi

nothing added to commit but untracked files present (use "git add" to track)
Aditis-MacBook-Air:new3 aditipandey$ git add aditi
```

7) Commit the staged changes with a descriptive commit message.

8) Push your changes to your repository on GitHub:

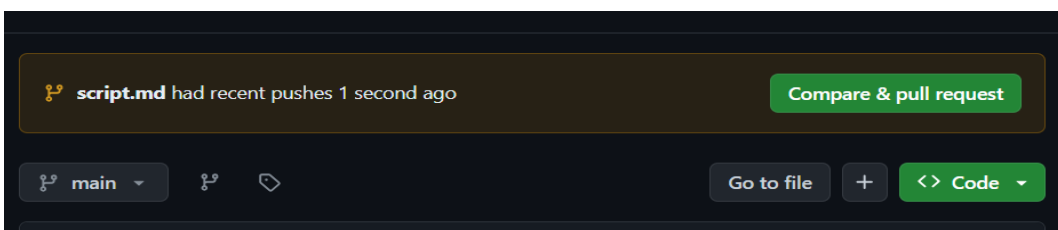
```
Aditis-MacBook-Air:new3 aditipandey$ git add aditi
Aditis-MacBook-Air:new3 aditipandey$ git commit -m "hello"
[work (root-commit) f86801c] hello
 1 file changed, 2 insertions(+)
 create mode 100644 aditi
Aditis-MacBook-Air:new3 aditipandey$ git push
fatal: The current branch work has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin work

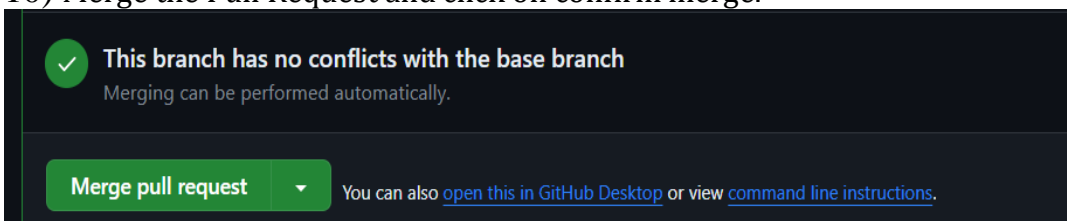
Aditis-MacBook-Air:new3 aditipandey$ git push --set-upstream origin work
Counting objects: 3, done.
Writing objects: 100% (3/3), 203 bytes | 203.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/Aditipandey568/new3.git
 * [new branch]      work -> work
```

9) Go to your repository on GitHub.

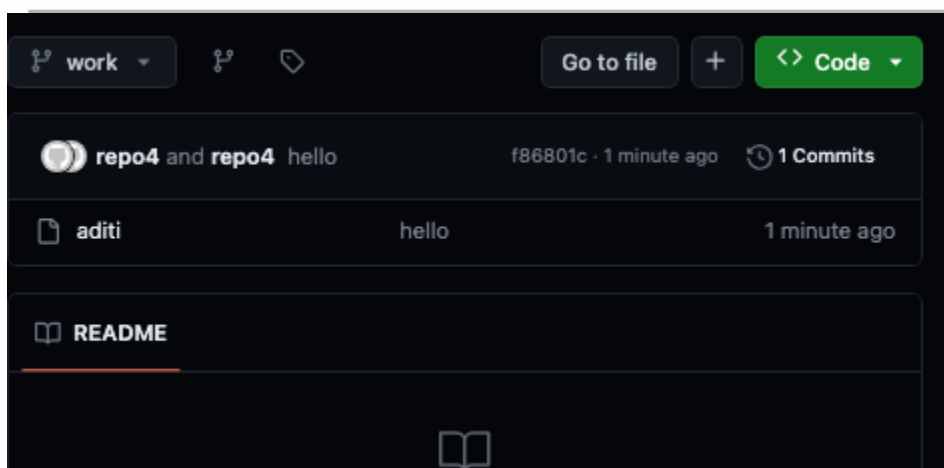
- Switch to the branch you just pushed by clicking on the branch dropdown.
- Click on the "Pull request" button..
- Click on the "Create pull request" button to submit your pull request.



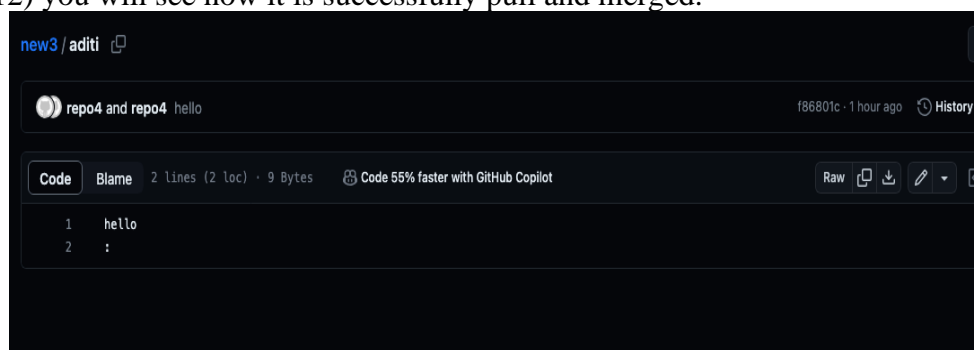
10) Merge the Pull Request and click on confirm merge.



11) Review the changes made.



12) you will see now it is successfully pull and merged.



5. Result/Output/Writing Summary:

In this experiment we have learnt about to create a pull request and to make the changes then, push them to a new branch, then submitting the pull request on GitHub for review and merging.

Learning outcomes (What I have learnt):

- 1) Learn about how to make directory on client server.
- 2) Learn to use the command in git.
- 3) Learn how push on to the remote repository.
- 4) learn about pull and merge command and its use.



5) learn about version control system.

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.			