**Experiment -2.3**

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**Branch: CSE(DEVOPS) Section/Group:22BCD-1/A**

**Semester: 4TH Date of Performance: 28/02/2024**

**Subject Name:GIT AND GITHUB Subject Code: 22CSH-293**

**1. Aim/Overview of the practical:**. Git Merge Conflicts and resolving Git merge conflicts

**2. Software used:** Git Bash and Github.

**3. Hardware Used:** Computer system.

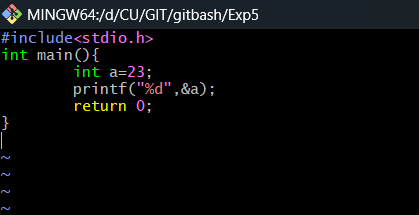
**4. Steps for experiment:**

**A: On Git Bash:-**

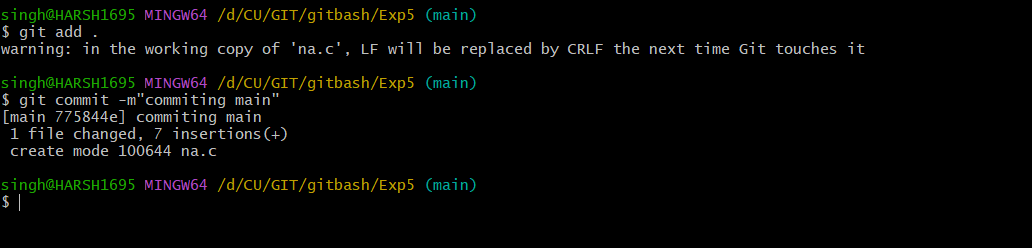
**1.** Create a file on local device and open that folder with Git Bash.

**2.** Create a repository on Github with ExpGit name and copy the http link.

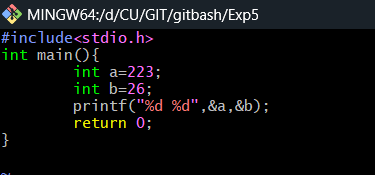
**3.** Now open the file using “vi filename” and edit the file.



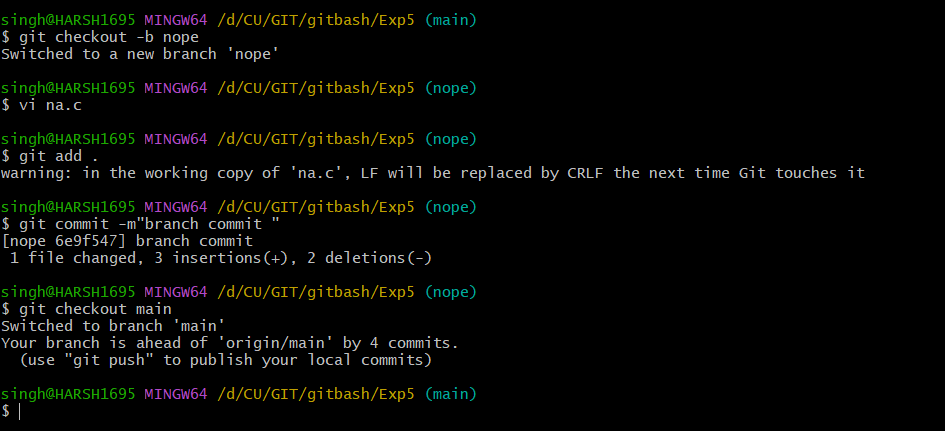
**4.** Now add and commit the file using “git add .” and “git commit -m”messaage””.



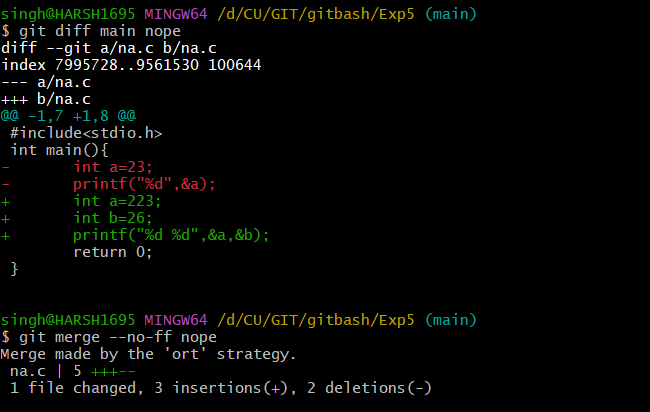
**5.** Now create a branch and edit the file in that branch using “git checkout -b name ” and “vi file”.



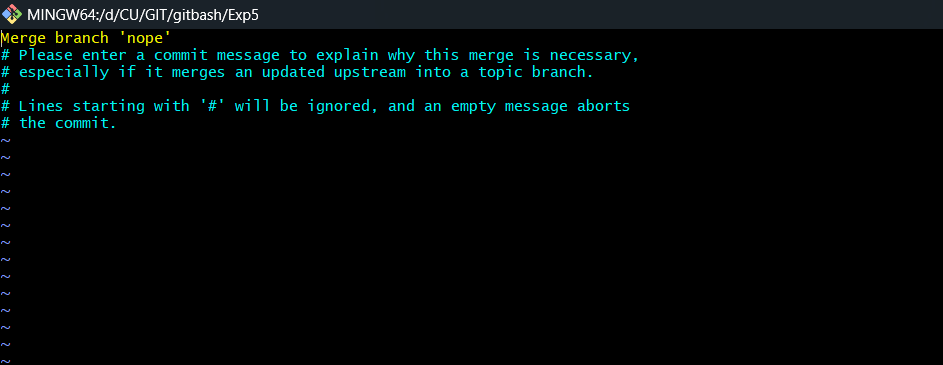
**6.** Now add and commit this file and move to main .

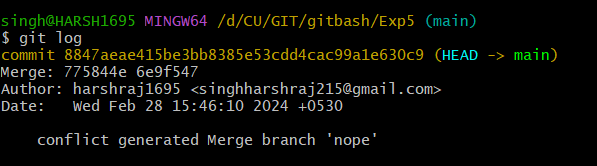


**6.** Now show the difference using “git diff main nope” and merge the file with fast forward using “git merge –no-ff branch\_name”.



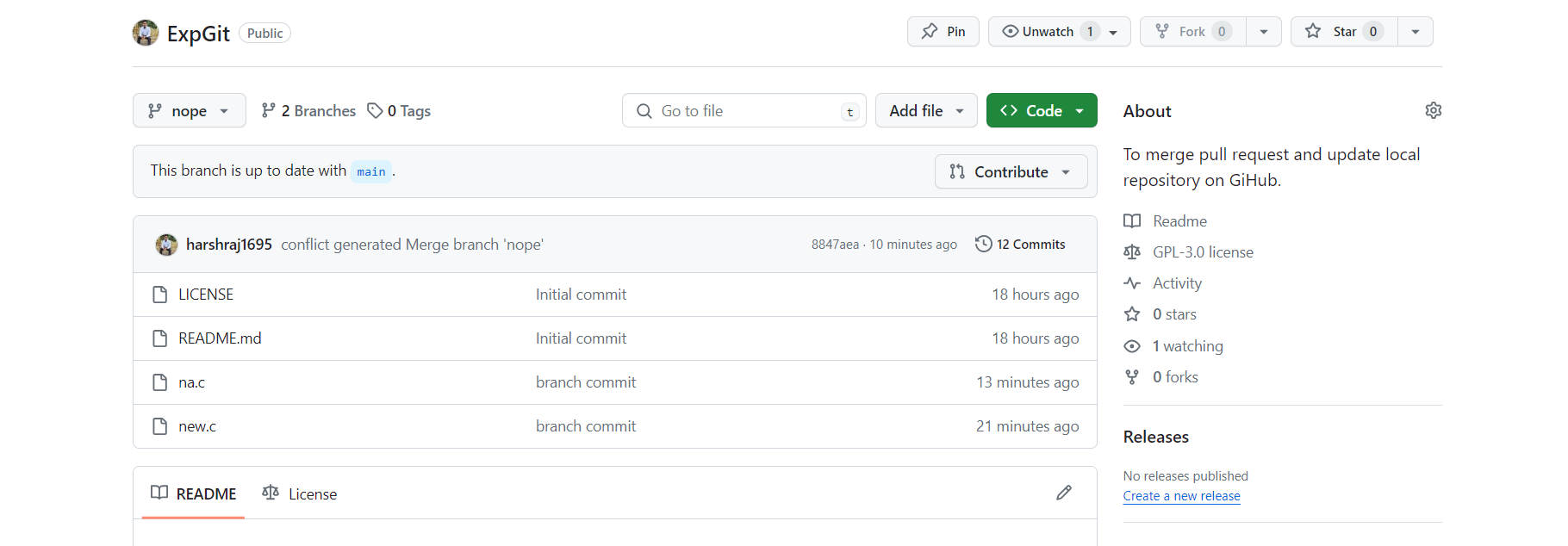
**Note:** ort is 3way commit and specify the commit message



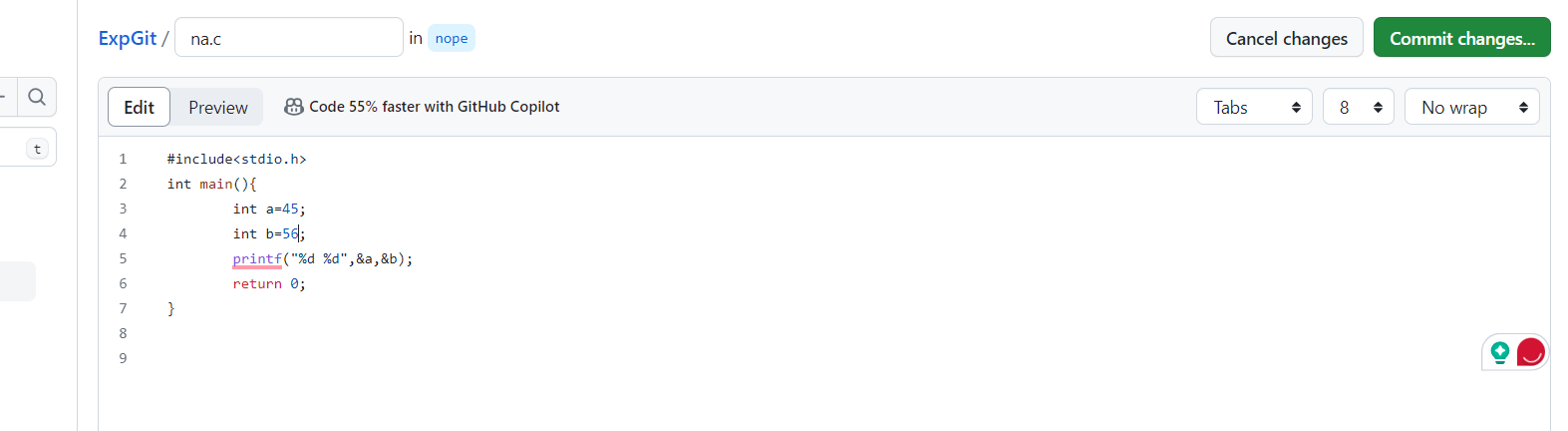


**B: On Git Hub:-**

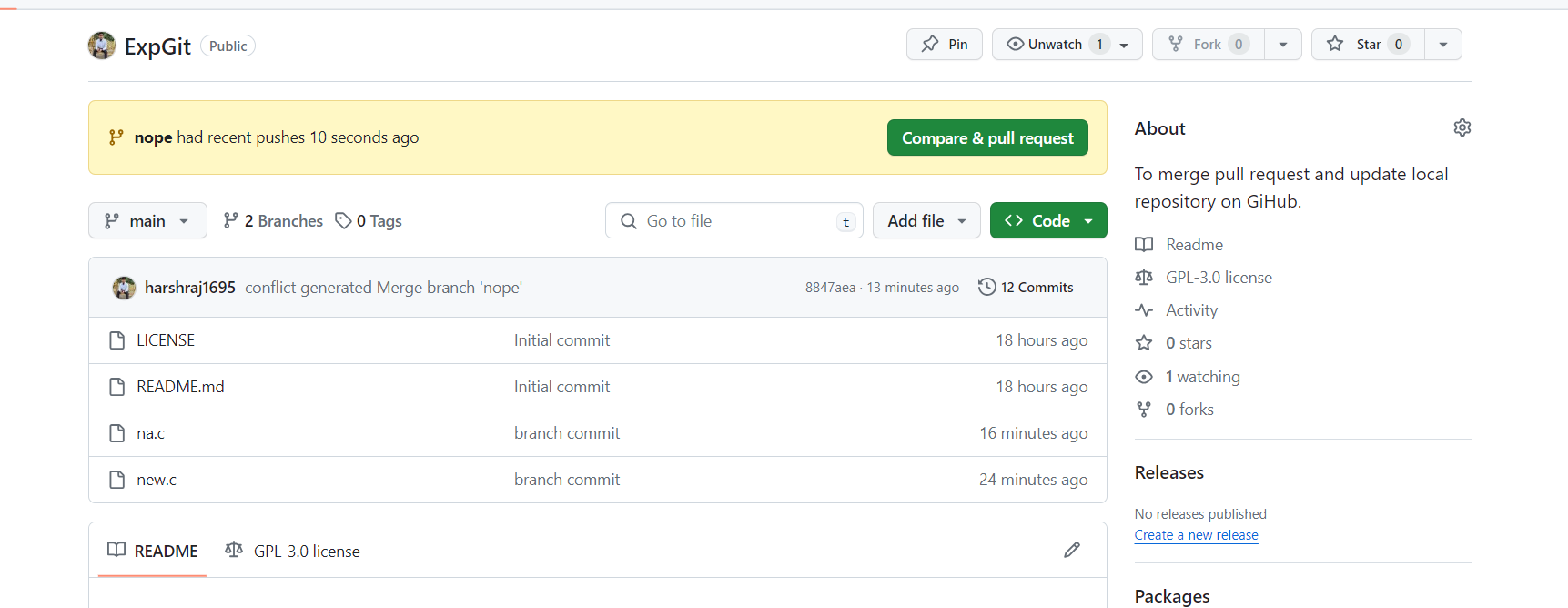
1. Go to Github and create a branch name nope.

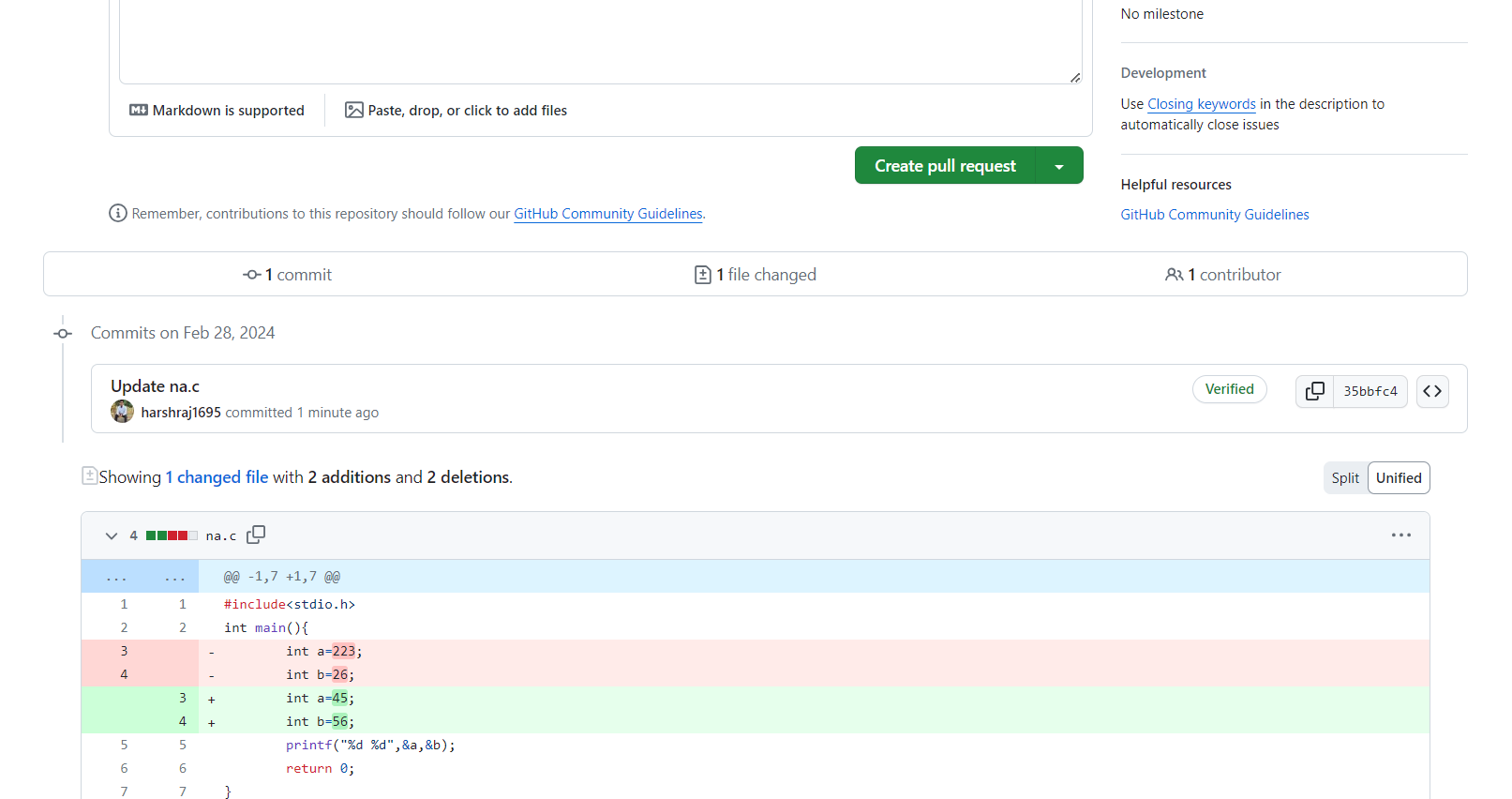
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1. Now edit the file and do the changes.



1. Commit the changes on the github.
2. Click on compare and pull.



1. Click on create pull request.
   * + 1. 

**5. Result/Output/Writing Summary:**

In this experiment we have learn about making a pull request on both github and git bash for local as well as remote servers. We have also gone through the changes pull request command.

**Learning outcomes (What I have learnt):**

**1.** Learnt the difference between git merge and pull request.

**2.** Learnt how to make the merge request on github and git bash.

**3.** Learnt about editing the files.

**4.** Learnt how to delete a branch in github and bash.

**5.** Also learnt about comparing the merged files.

**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. |  |  |  |
|  |  |  |  |