

Working with Remote Repositories and Collaboration - Task 9

➤ Creating a local repo:

```
C:\Users\karur>git init colab-project
Reinitialized existing Git repository in C:/Users/karur/colab-project/.git/

C:\Users\karur>cd colab-project

C:\Users\karur\colab-project>echo "# Collaborative Project">README.md

C:\Users\karur\colab-project>git add README.md

C:\Users\karur\colab-project>git commit -m "Initial commit"
[master d39bd5f] Initial commit
1 file changed, 0 insertions(+), 0 deletions(-)
```

➤ Pushing local repo to remote:

```
C:\Users\karur\colab-project>git remote add origin https://github.com/Karu08/Git
error: remote origin already exists.

C:\Users\karur\colab-project>git push -u origin master
Username for 'https://github.com': Karu08
Password for 'https://Karu08@github.com':
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (6/6), 494 bytes | 494.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:      https://github.com/Karu08/Git/pull/new/master
remote:
To https://github.com/Karu08/Git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
```

➤ Creating a feature branch:

```
C:\Users\karur\colab-project>git checkout -b new-feature
Switched to a new branch 'new-feature'

C:\Users\karur\colab-project>echo "Contributor : Riya" >> CONTRIBUTORS.md

C:\Users\karur\colab-project>git add CONTRIBUTORS.md

C:\Users\karur\colab-project>git commit -m "Added Riya to contributors list"
[new-feature dd83e18] Added Riya to contributors list
1 file changed, 1 insertion(+)
create mode 100644 CONTRIBUTORS.md
```

➤ Pushing feature branch to remote:

```
C:\Users\karur\colab-project>git push -u origin new-feature
Username for 'https://github.com': Karu08
Password for 'https://Karu08@github.com':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 316 bytes | 158.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'new-feature' on GitHub by visiting:
remote:   https://github.com/Karu08/Git/pull/new/new-feature
remote:
To https://github.com/Karu08/Git
 * [new branch]      new-feature -> new-feature
branch 'new-feature' set up to track 'origin/new-feature'.
```

➤ Opening a pull request: (in github)

The screenshot shows the GitHub interface for the repository 'Karu08 / Git'. At the top, there's a header with the repository name, a 'Public' badge, and buttons for 'Pin' and 'Unwatch'. Below this, a yellow banner indicates that the 'master' branch had recent pushes 2 seconds ago, with a 'Compare & pull request' button. The main content area shows the 'main' branch selected, with 1 branch and 0 tags. A search bar and a 'Code' button are also visible. The file view shows a single changed file, 'README.md', with 0 additions and 0 deletions. The file content is displayed in a diff view, showing changes to the 'Collaborative Project' title and the '# Collaborative Project' header. The footer contains navigation links for 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', and 'Security'.


Comparing changes


Choose two branches to see what's changed or to start a new pull request. If you need to, you can also

Showing 1 changed file with 1 addition and 0 deletions.

```
1 CONTRIBUTORS.md
@@ -0,0 +1 @@
1 + "Contributor : Riya"
```

➤ Performing code review:

 base: master ← compare: new-feature ✓ **Able to merge.** These branches can be automatically merged.





















**Add a title**

Added Riya to contributors list

Reviewers

No reviews

Add a description

Write Preview H B I                    

Add your description here...

Assignees


No one—[as](#)

Labels

None yet


Projects


➤ Merge approval:






Karu08 commented now


Working with remote repositories and collaboration.



 Added Riya to contributors list dd83e18

  Karu08 self-assigned this now



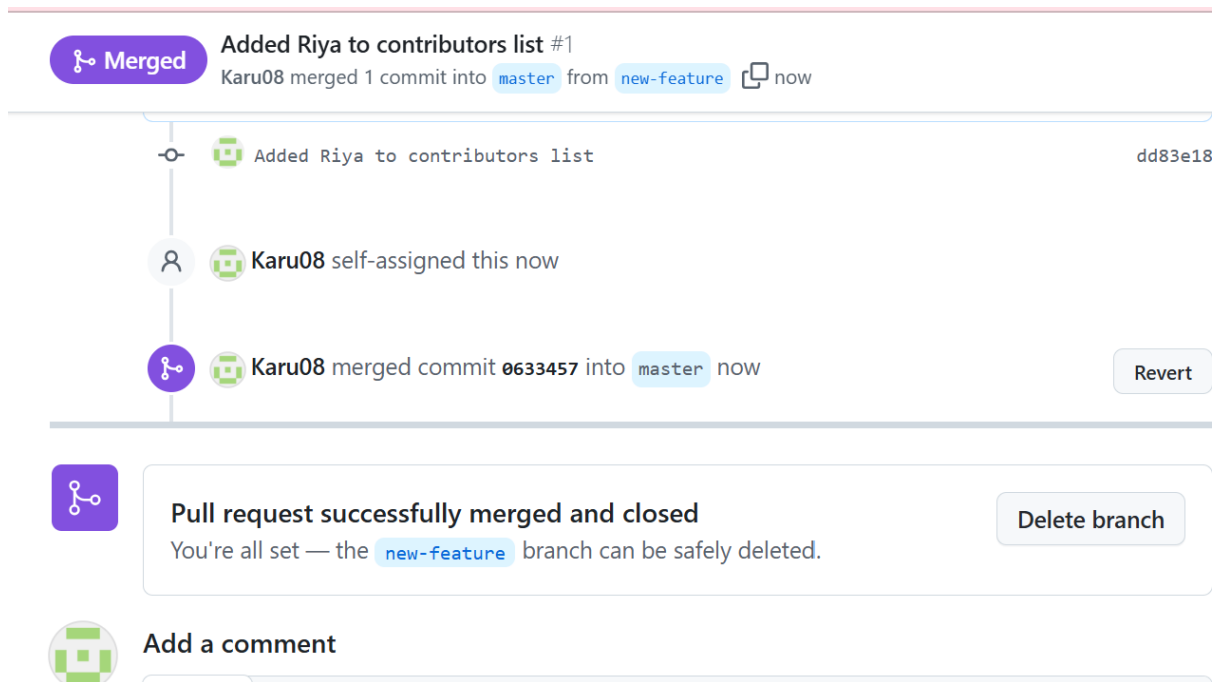
 **No conflicts with base branch**
Merging can be performed automatically.

Merge pull request

You can also merge this with the command line.
[View command line instructions.](#)

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➤ **Merging feature branch into the master branch on github:**




Merged Added Riya to contributors list #1
Karu08 merged 1 commit into `master` from `new-feature` now

dd83e18
Added Riya to contributors list

Karu08 self-assigned this now

Karu08 merged commit 0633457 into `master` now Revert

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

 Add a comment

➤ **Pull changes locally:**

```
C:\Users\karur\colab-project>git pull origin master
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (1/1), 906 bytes | 181.00 KiB/s, done.
From https://github.com/Karu08/Git
* branch                master       -> FETCH_HEAD
  d39bd5f..0633457      master       -> origin/master
Updating d39bd5f..0633457
Fast-forward
 CONTRIBUTORS.md | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 CONTRIBUTORS.md
```

Thus, this output confirms that the pull from the remote master branch was **successful**, and the local branch has been **updated with one new file**.