

GIT AND GITHUB MODULE

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BATCH NO.- SA2409031

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L2 - Create Local git repository and demonstrate git merge and Merge Conflicts with the steps to resolve merge conflicts

STEP1- CREATE LOCAL GIT REPOSITORY

Step1- create the git repository

- ***Go to git***
- ***Start the git(git init)***
- ***Create file(touch file name)***
- ***Track the file(git add file name)***
- ***Commit the file(git commit -m “name to the commit”)***

STEP 2- MERGE THE REPOSITORY

- **Create the separate branch**
(git branch branch name)
- **Create the file in that branch and also commit it**
-touch file1
-Git add file1
-Git commit -m c1)
- **Now push the repository to the github**
- **first create the github account and give the account repo route**
- *(git add remote origin repository root path)*
- **now push the repository**
git push -u origin branch name
- **merge the branch repository to master repository**
(by pull request or git merge)

STEP 3- IF THERE IS ANY CONFLICT COMING

- *In master branch some other developer edit the same file which is unknown to the the branch member if he pull the repository and do his stuff after that pushing the repo will create conflict because same file have different content so first we have to resolve the conflict*

STEP 4- RESOLVING CONFLICT

- *When there is pull request is popup for master it will show there is some conflict so first we need to resolve it. By mutual consent of both developer it will resolved and committed.*
- PULL REQUEST
- SHOW the conflict
- Go to resolve the conflict
- Edit the required content of the file
- Master accept the resolution

```
Administrator@LAPTOP-SS03AQVO MINGW64 ~/Desktop/New folder (master)
$ git branch
  adhav
* master

Administrator@LAPTOP-SS03AQVO MINGW64 ~/Desktop/New folder (master)
$ git remote -v
origin  https://github.com/adesh8484/adeshgit.git (fetch)
origin  https://github.com/adesh8484/adeshgit.git (push)

Administrator@LAPTOP-SS03AQVO MINGW64 ~/Desktop/New folder (master)
$ git branch adesh

Administrator@LAPTOP-SS03AQVO MINGW64 ~/Desktop/New folder (master)
$ git branch
  adesh
  adhav
* master

Administrator@LAPTOP-SS03AQVO MINGW64 ~/Desktop/New folder (master)
$ git checkout adesh
W       file1
Switched to branch 'adesh'

Administrator@LAPTOP-SS03AQVO MINGW64 ~/Desktop/New folder (adesh)
$ touch file

Administrator@LAPTOP-SS03AQVO MINGW64 ~/Desktop/New folder (adesh)
$ vi file

Administrator@LAPTOP-SS03AQVO MINGW64 ~/Desktop/New folder (adesh)
$ ls
file  file1  file2

Administrator@LAPTOP-SS03AQVO MINGW64 ~/Desktop/New folder (adesh)
$ git push -u origin adesh
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'adesh' on GitHub by visiting:
remote:   https://github.com/adesh8484/adeshgit/pull/new/adesh
remote:
To https://github.com/adesh8484/adeshgit.git
 * [new branch]      adesh -> adesh
branch 'adesh' set up to track 'origin/adesh'.

Administrator@LAPTOP-SS03AQVO MINGW64 ~/Desktop/New folder (adesh)
$ |
```

```

remote: Create a pull request for 'adhav' on GitHub by visiting:
remote:   https://github.com/adesh8484/tripleA/pull/new/adhav
remotes:
To https://github.com/adesh8484/tripleA.git
 * [new branch]      adhav -> adhav
branch 'adhav' set up to track 'origin/adhav'.

Administrator@LAPTOP-SS03AQVD MINGW64 ~/Desktop/GIT (adhav)
$ git pull
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (4/4), 1.74 KiB | 85.00 KiB/s, done.
From https://github.com/adesh8484/tripleA
   0e9ad7b..5788ee9  master    -> origin/master
Already up to date.

Administrator@LAPTOP-SS03AQVD MINGW64 ~/Desktop/GIT (adhav)
$ ls
adesh  file1

Administrator@LAPTOP-SS03AQVD MINGW64 ~/Desktop/GIT (adhav)
$ vi adesh

Administrator@LAPTOP-SS03AQVD MINGW64 ~/Desktop/GIT (adhav)
$ git add adesh
warning: in the working copy of 'adesh', LF will be replaced by CRLF the next time Git touches it

Administrator@LAPTOP-SS03AQVD MINGW64 ~/Desktop/GIT (adhav)
$ git commit -m"c2"
[adhav 6a31c47] c2
1 file changed, 1 insertion(+)

Administrator@LAPTOP-SS03AQVD MINGW64 ~/Desktop/GIT (adhav)
$ git push -u origin adhav
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 270 bytes | 270.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/adesh8484/tripleA.git
   b4fc053..6a31c47  adhav -> adhav
branch 'adhav' set up to track 'origin/adhav'.

Administrator@LAPTOP-SS03AQVD MINGW64 ~/Desktop/GIT (adhav)
$ |

```

```

git init
git remote add origin https://github.com/adesh8484/tripleA.git
git remote -v
touch adesh
git add adesh
git commit -m"c1"
git push -u origin master
git branch adhav
git checkout adhav
touch file1
git add file1
git commit -m"c2"
git push -u origin adhav
git pull
ls
vi adesh
git add adesh
git commit -m"c2"

```

c2 #2

Edit <> Code

Open

 adesh8484 wants to merge 1 commit into master from adhav

Conversation 0

Commits 1

Checks 0

Files changed 1

+1 -0

adesh8484 commented now

Owner ...

No description provided.

6a31c47

Reviewers

No reviews

Still in progress? [Convert to draft](#)

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

This branch has conflicts that must be resolved

Use the [web editor](#) or the [command line](#) to resolve conflicts.

Conflicting files

adesh

Resolve conflicts

Open

 c2 #2

adesh8484 wants to merge 1 commit into master from adhav

Merge pull request

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

No milestone

ts between adhav and master and committing changes → adhav

adesh

1 conflict Prev Next

Mark as resolved

1 <<<<<< adhav

2 adesh here

3 =====

4 hi everyone

5 >>>>>> master

6

Still in progress? [Convert to draft](#)

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone

No milestone

Require approval from specific reviewers before merging

[Rulesets](#) ensure specific people approve pull requests before they're merged.

Add rule X

Continuous integration has not been set up

[GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.

Open

 c2 #2

adesh8484 wants to merge 1 commit into master from adhav

Merge pull request

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

Add a comment

Write Preview

H B I

Add your comment here...

Notifications

Customize

Unsubscribe

You're receiving notifications because you're watching this repository.

c2 #2

Edit <> Code

Merged adesh8484 merged 2 commits into master from adhav now

Conversation 0 Commits 1 Checks 0 Files changed 1 +1 -0

adesh8484 commented 2 minutes ago

No description provided.

6a31c47

c2

Merge branch 'master' into adhav

Verified a97348e

adesh8484 merged commit c49b1cf into master now

Revert

Reviewers

No reviews

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

No milestone

Development

Merged c2 #2 adesh8484 merged 2 commits into master from adhav now

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

Delete branch

https://github.com/adesh8484/tripleA/blob/master/adesh

adesh8484 / tripleA

Type / to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Files

master

Go to file

adesh

file1

tripleA / adesh

adesh8484 Update adesh 2e248e2 · now History

Code Blame 1 lines (1 loc) · 18 Bytes

Raw

1 conflict resolved

Files

adhav


+

Q

adesh

file1

tripleA / adesh

 adesh8484

 Merge branch 'master' into adhav

a97348e · 2 minutes ago


[History](#)


Code


Blame


1 lines (1 loc) · 18 Bytes

Raw









1

conflict resolved