

Upstream issue :

- Your repo should be updated, to avoid upstream issue
- Issue = replace let with const
- Want to solve issue > fork repo > clone repo > now I can push & pull code > now we are in main branch > git remote -v > remote link is pointing link to push & pull > link indicates that repo changes are linked with remote repo > project is locally setup and running on localhost > now make branch
> **git checkout feat/let-to-const** > changes are done and bug is fixed >
> **git add .** > but gitignore is not added therefore many changes are staged now > revert it by
> git rm node_modules
> npx gitignore Node
> git commit
> **git push**
> we automatically get “compare pull request” button in repo and update the comment as “**fixes #12 issue**”
> now reviewer will add comment if he is not confirm with the changes that “Are you sure it will work?” and submit > now I can see that there is review message on my PR > we can chat until both satisfied > now if reviewer merges PR >

My machine= feat/let-to-const

- It has fixed code in it(latest)

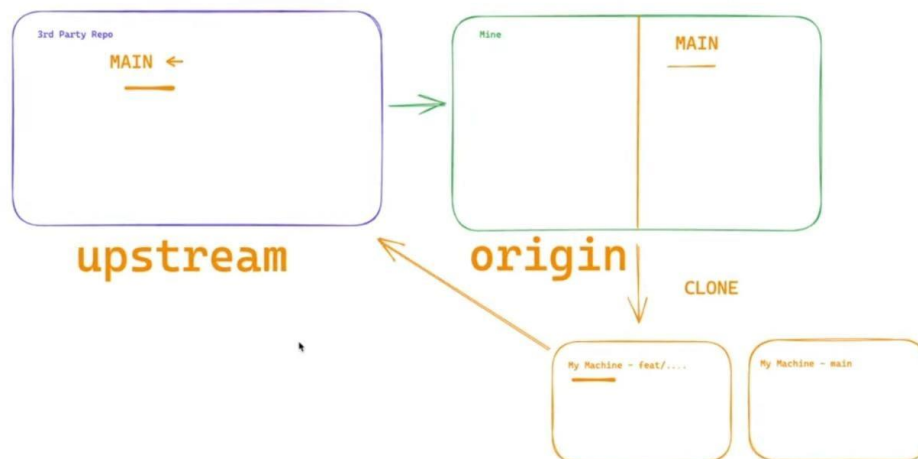
My machine= main

- It doesn't have changes in feat branch

- As we made PR and code is merged by owner in main branch
> git switch main
The problem is “main branch in our local setup doesn't have latest changes”
Original owner repo has that latest code, but my cloned repo main branch doesn't have it
This is called upstream (Owners repo)
Origin is in our cloned repo in local repo

Now copy original owners repo link

- git remote add upstream <https://github.com/piyush-dev/blog>
- git remote -v = origin & upstream
- Why upstream to connect?



Here, link from “my machine feat” to “upstream” is created

- git merge upstream/main
- now there is a error = because we haven't fetched its properties (to fetch newly created upstream

remote)

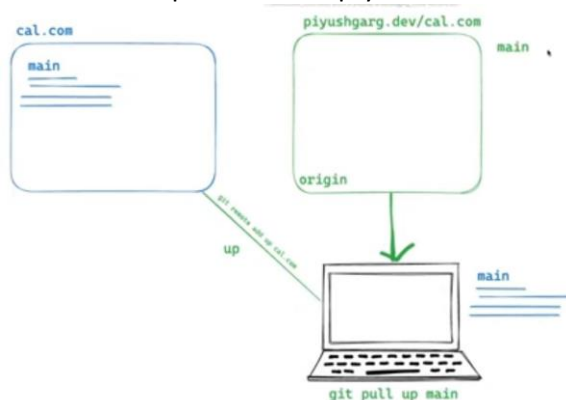
- git remote add upstream https://github.com/piyush-dev/blog
- git pull upstream main
- git push
- done

- | |
|---|
| <ul style="list-style-type: none">- git fetch --all- git merge upstream/main |
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Both are correct

- | |
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| <ul style="list-style-type: none">- git pull upstream main- git push |
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- fork > clone > branch > issue fixed in new branch > pushed it in forked repo > PR > PR is merged > now we have **deleted the branch** created for fix from local machine > now problem is owner main has new changes but forked repo main doesn't have these changes > **your own main is empty** > now above 3 commands are used > done
- Now forked repo main is empty



- git push origin main
- done

- ISSUE 1 opened by piyush fix/feat-issue-1
- ISSUE 2 opened by mohit fix/issue-2 > PR_done
- Issue 2 is merged now and piyush doesn't have latest changes, in his repo.
- **git push origin main** = First Push your own changes to own repo (we are in main branch of cloned repo)
- **git pull up main** = now I have new changes done by Mohit in my repo
- but still we don't have changes in issue branch which is fix/feat-issue-1
- therefore go to issue branch
- **git merge origin main**
- **git push**
- now we moved all our changes from local setup to forked repo (from which we have cloned)
- now we will make PR > merge > then branches of issue will be deleted(github asks – if we want to delete it)
- Now everything is in sync

Update branch button on github page :

- Don't use this button directly
- Do it manually
- git remote add upstream https://github.com/piyush-dev/blog

- git pull upstream main
- git push origin main
- git checkout -b "abc"
- git merge origin main

- See issues on other repos
- Practice it by watching and creating issues in others repositories
- Learn React or other technologies for useful contributions
- Write articles in hashnode
- MCA