# User

I have forked a repository on github to my account. But I also have folder on local drive in which I made some changes I want to merge them on the forked repository. Will git push origin main command in msys2 will do that because it may encounter conflicts.

# Bing

The git push origin main command will indeed push your changes from your local repository to the forked repository on GitHub. However, if there are changes in the remote repository that conflict with your local changes, you'll need to resolve these conflicts before you can push.

Here's a general workflow you can follow:

1. **Commit your local changes**: Make sure all your local changes are committed.

git add .

git commit -m "Your commit message"

1. **Pull the latest changes from the remote repository**: This step is crucial to ensure you have the latest changes from the remote repository.

git pull origin main

1. **Resolve any merge conflicts**: If there are any conflicts between your local changes and the changes in the remote repository, Git will tell you that you need to resolve these conflicts. Open the files with conflicts, and you'll see markers indicating the conflicting areas. Edit the files to resolve the conflicts, then add and commit the resolved files.

git add <resolved-file>

git commit -m "Resolved merge conflicts"

1. **Push your changes to the remote repository**: Now that all conflicts have been resolved, you can push your changes to the remote repository.

git push origin main

Remember, it's important to regularly pull from the remote repository to minimize the potential for serious merge conflicts. If you're working on a team, communication is also key to preventing conflicts. Happy coding! 😊.

# User

But how to access this fork directly in my local folder where chnages have been made? If I do any of the above, tt will access the original repository on github, not the fork in my account.

# Bing

If you want to work with the forked repository in your GitHub account, you need to change the remote URL of your local repository to point to your forked repository. Here's how you can do it:

1. **Check the current remote repository** for your local repository:

git remote -v

This will show you the URLs of the remote repositories that your local repository is connected to.

1. **Change the remote repository URL** to your forked repository:

git remote set-url origin https://github.com/YOUR\_USERNAME/YOUR\_REPOSITORY.git

Replace YOUR\_USERNAME with your GitHub username and YOUR\_REPOSITORY with the name of your forked repository.

1. **Verify the remote repository URL**:

git remote -v

Now, it should show the URL of your forked repository. Any changes you push will now go to your forked repository.

Remember, before pushing your changes, it's a good practice to pull the latest changes from the remote repository to avoid any conflicts. Happy coding! 😊

# User

Actually the fork has master instead of main. How to change it to main?

# Bing

If you want to rename the master branch to main in your forked repository, you can do so using the following steps:

1. **Switch to the `master` branch**:

git checkout master

1. **Rename the `master` branch to `main`**:

git branch -m master main

1. **Push the `main` branch to your remote repository**:

git push -u origin main

1. **Remove the `master` branch from your remote repository**:

git push origin --delete master

Please note that if you have any open pull requests targeting the master branch, you'll need to change them to target the main branch. Also, if you have cloned or forked your repository, you'll need to update the default branch on those repositories as well.

Remember to replace origin with the name of your remote if it's different. Happy coding! 😊

# User

Some errors while deleting master:

$ git push origin --delete master
Username for 'https://github.com':
Password for 'https://jdb130496@github.com':
To https://github.com/jdb130496/rdrand
! [remote rejected] master (refusing to delete the current branch: refs/heads/master)
error: failed to push some refs to 'https://github.com/jdb130496/rdrand'

# Bing

The error message you're seeing is because GitHub is refusing to delete the master branch as it's currently set as the default branch of your repository.

To resolve this, you need to change the default branch of your repository on GitHub to main. Here's how you can do it:

1. Go to your GitHub repository in your web browser.
2. Click on the **Settings** tab.
3. In the left sidebar, click on **Branches**.
4. Under the **Default branch** section, click on the **Switch default branch** button.
5. From the dropdown menu, select main and then click on the **Update** button.
6. In the confirmation dialog, click on the **I understand, update the default branch** button.

Now, you should be able to delete the master branch using the command you tried earlier:

git push origin --delete master

Remember, changing the default branch will affect all open pull requests and clones of your repository. Make sure to inform any collaborators about this change. Happy coding! 😊

# User

On branches tab I can see following:
There are two braches named main and one named master. I cannot delete master as it is default. I want to retain only one main. Why I am seeing two main branches?

# Bing

It's unusual to have two branches with the same name in a Git repository. It's possible that there might be a misunderstanding or a display issue on GitHub.

Here are a few things you can do to troubleshoot:

1. **Refresh your GitHub page**: Sometimes, a simple refresh can resolve display issues.
2. **Check your branches on your local machine**: You can list all your local branches by running the following command in your terminal:

git branch

1. **Fetch and check all remote branches**: To see all the branches that exist on the remote repository, you can fetch and then list them:

git fetch origin

git branch -r

If you still see two main branches after trying these steps, I recommend reaching out to GitHub Support for further assistance. They should be able to help you understand why you're seeing two main branches and guide you on how to resolve it. 😊

# User

See the output after above:

$ git branch -r
origin/HEAD -> origin/master
origin/dev/pre15
origin/main
origin/master

# Bing

From the output you've provided, it appears that there are four branches in your remote repository:

1. origin/HEAD -> origin/master
2. origin/dev/pre15
3. origin/main
4. origin/master

The origin/HEAD -> origin/master line indicates that the default branch (HEAD) on the remote repository (origin) is currently set to master.

There's only one main branch, not two. The confusion might have arisen from the origin/HEAD -> origin/master line, but this doesn't represent a separate branch. It's just pointing to the default branch in your remote repository.

If you want to make main the default branch, you'll need to do this on GitHub:

1. Go to your GitHub repository in your web browser.
2. Click on the **Settings** tab.
3. In the left sidebar, click on **Branches**.
4. Under the **Default branch** section, click on the **Switch default branch** button.
5. From the dropdown menu, select main and then click on the **Update** button.
6. In the confirmation dialog, click on the **I understand, update the default branch** button.

After you've done this, you should be able to delete the master branch if you no longer need it:

git push origin --delete master

Remember, changing the default branch will affect all open pull requests and clones of your repository. Make sure to inform any collaborators about this change. Happy coding! 😊

# User

Again same error messages as previous:

$ git push origin --delete master
Username for 'https://github.com':
Password for 'https://jdb130496@github.com':
To https://github.com/jdb130496/rdrand
! [remote rejected] master (refusing to delete the current branch: refs/heads/master)
error: failed to push some refs to 'https://github.com/jdb130496/rdrand'

# Bing

I apologize for the confusion. The error message indicates that GitHub is still considering master as the default branch. This could be due to a delay in GitHub's system in recognizing the change in the default branch.

Here's what you can do:

1. **Confirm that the default branch has been changed on GitHub**: Go to your repository on GitHub, click on the **Settings** tab, then click on **Branches** in the left sidebar. The default branch should be main.
2. **Update your local repository**: Run the following commands to ensure your local repository is up-to-date:

git fetch origin

git remote set-head origin -a

The git fetch origin command fetches the branches and their commits from the remote repository. The git remote set-head origin -a command sets the default branch on your local repository to match the default branch on the remote repository.

1. **Try deleting the `master` branch again**: Now, try running the command to delete the master branch:

git push origin --delete master

If you're still unable to delete the master branch, I recommend waiting for a while and then trying again. If the issue persists, please consider reaching out to GitHub Support for further assistance. 😊

# User

I could make this work by making main as my default branch in settings on github and then using:

git push origin --delete master

# Bing

That's great to hear! You've successfully changed your default branch to main and deleted the master branch. Now, all your future commits will be made to the main branch unless you specify otherwise. If you have any more questions or need further help, feel free to ask. Happy coding! 😊