Using GitHub 101!

**REPOSITORIES**: used to organise a single project. Include a README page (such as this one) with information about it.

>In the upper right corner, next to your avatar or identicon, click and then select New repository.

>Name your repository.

>Write a short description.

>Select Initialize this repository with a README.

**BRANCHES**: the MAIN is the definitive branch. Before commiting changes to it, it's advisable to create branches to experiment and make edits before commiting it to the main.

>Go to your new repository.

>Click the drop down at the top of the file list that says branch: main.

>Type a branch name into the new branch text box (new\_branch\_1).

>Select the blue Create branch box or hit “Enter” on your keyboard.

**MAKE AND COMMIT CHANGES**

When you're on the code view of your new branch, make some edits. Saved changes are called COMMITS. Ideally, you should write a COMMIT MESSAGE explaining what was changed, so other contributors can understand what you've done and why.

>Click the readme.md file.

>Click the pencil icon in the upper right corner of the file view to edit.

>In the editor, write the changes/code.

>Write a commit message that describes your changes.

>Click Commit changes button.

**OPENING PULL REQUESTS**: you’re proposing your changes and requesting that someone review and pull in your contribution and merge them into their branch.

Pull requests show **diffs**, or differences, of the content from both branches. The changes, additions, and subtractions are shown in green and red.

>Click the Pull Request tab, then from the Pull Request page, click the green New pull request button.

>In the Example Comparisons box, select the branch you made, new\_branch\_1, to compare with main (the original).

>Look over your changes in the diffs on the Compare page, make sure they’re what you want to submit.

>When you’re satisfied that these are the changes you want to submit, click the big green Create Pull Request button.

>Give your pull request a title and write a brief description of your changes, then click Create Pull Request.

**MERGING PULL REQUESTS**: to the main

Click the green Merge pull request button to merge the changes into main.

Click Confirm merge.

Go ahead and delete the branch, since its changes have been incorporated, with the Delete branch button in the purple box.