

# Git & GitHub Workshop (Version Control System)

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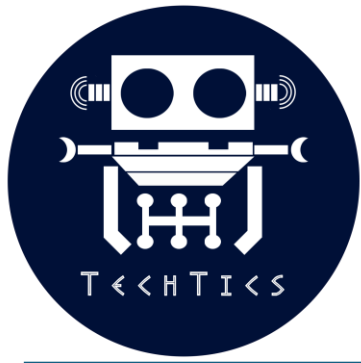
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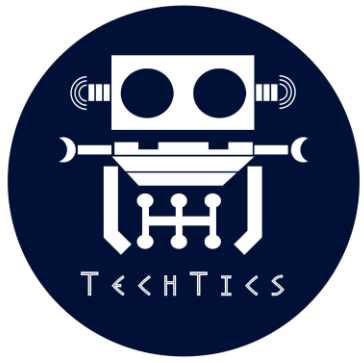
# Important Terminologies

<b>Github</b>	GitHub is a collaboration platform that uses <u><b>Git</b></u> for versioning. GitHub is a popular place to share and contribute to <u><b>open-source</b></u> software.
<b>Open-source</b>	Open-source software is software that can be freely used, modified and shared (in both modified and unmodified form)
<b>Git</b>	It is an open source program for tracking changes in text files. It was written by the author of the Linux operating system
<b>Repository</b>	A <u><b>repository</b></u> is a project containing files and folders. A repository tracks versions of files and folders.
<b>Branch</b>	A <u><b>branch</b></u> is a parallel version of your repository.
<b>Fork</b>	A fork is a personal copy of another user's repository that lives on your account. Forks allow you to make changes to a project without affecting its upstream.
<b>Markdown</b>	Markdown is an incredibly simple semantic file format, that allows you to document your project parallel to your work for other users



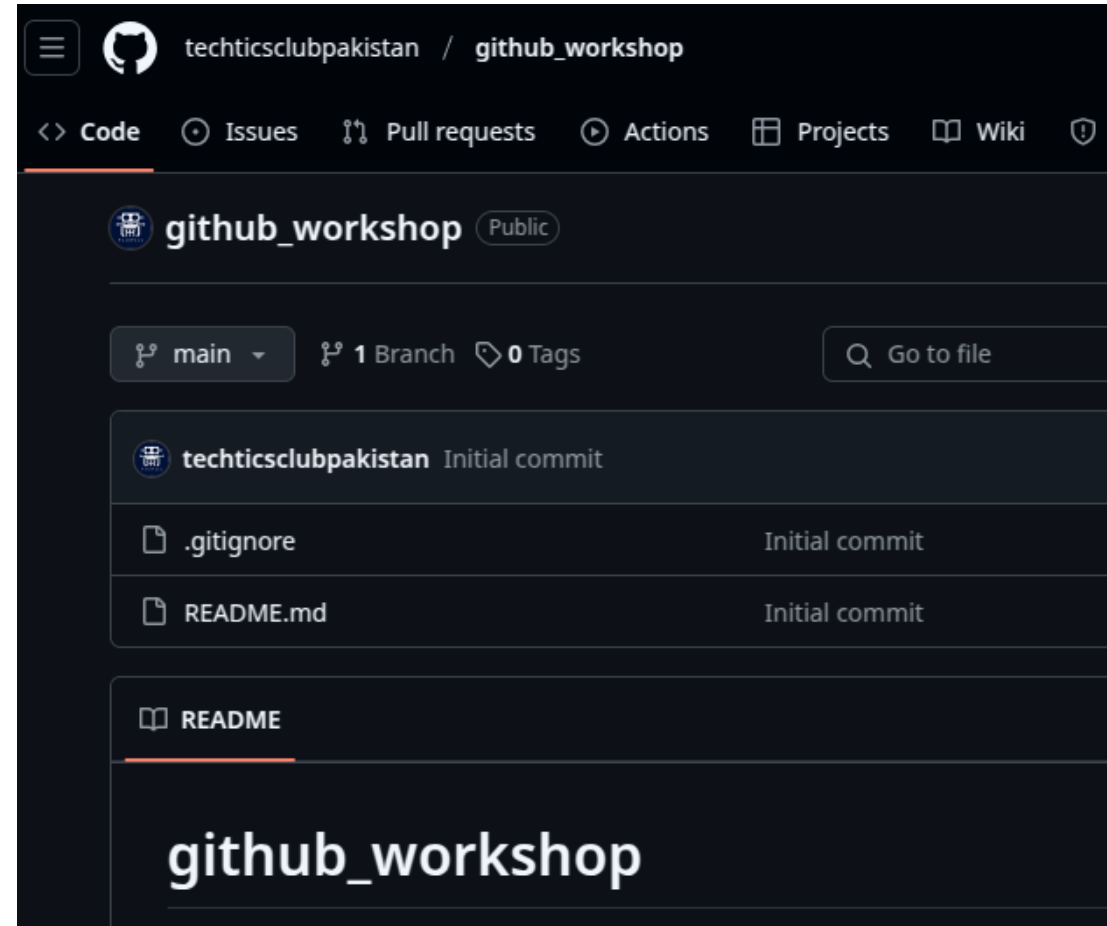
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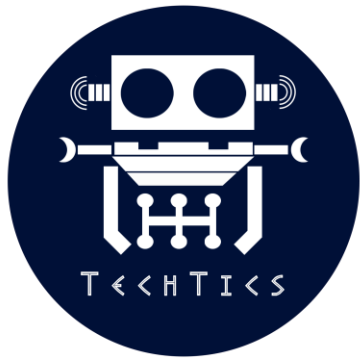




# Activity Time : Your First Branch

1. Setup your Account : <https://github.com/> (Decide Github on Linux, Github Desktop)
2. Clone this repository : [https://github.com/techticsclubpakistan/github\\_workshop.git](https://github.com/techticsclubpakistan/github_workshop.git)
3. Navigate to <Code> tab and Click on main and create a branch of your name as (Firstname-Lastname)
4. Start adding Data as per your need. (Enjoy)
5. Commit a file (A commit is a set of changes to the files and folders in your project. Note: Commit in your own branch)
6. Open a pull request
7. Merge your pull request





# Challenge Time : Retrieve the code

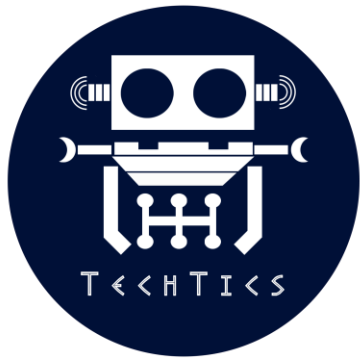
**Can you go back to your old code and bring it into live?**

**git checkout -b newbranchname commitname**



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# Congratulations! You Did it !

Congratulations, you've completed this course and joined the world of developers!

Here's a recap of your accomplishments:

- You learned about GitHub, repositories, branches, commits, and pull requests.
- You created a branch, a commit, and a pull request.
- You merged a pull request.
- You made your first contribution! 🎉

**For more details regarding our courses:**

**Email us at**

**[info@techticsclub.com](mailto:info@techticsclub.com) or**

**contact at 0325-8988646**

**[www.techticsclub.com](http://www.techticsclub.com)**

## What's next?

*Make a new public repository with a name that matches your GitHub username.*

**ROBOT ACADEMY BERLIN**



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