



Byewise Fellowship Program

DATA SCIENCE

Task #2

BWT- Data Science (Group1)

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Task: Introduction to Git and GitHub (The Basics, Branching and Merging)?

Answer:

Introduction

GitHub is a website where individuals or teams can store and share their project. It's like a social network where they can work together on projects and keep track of changes.

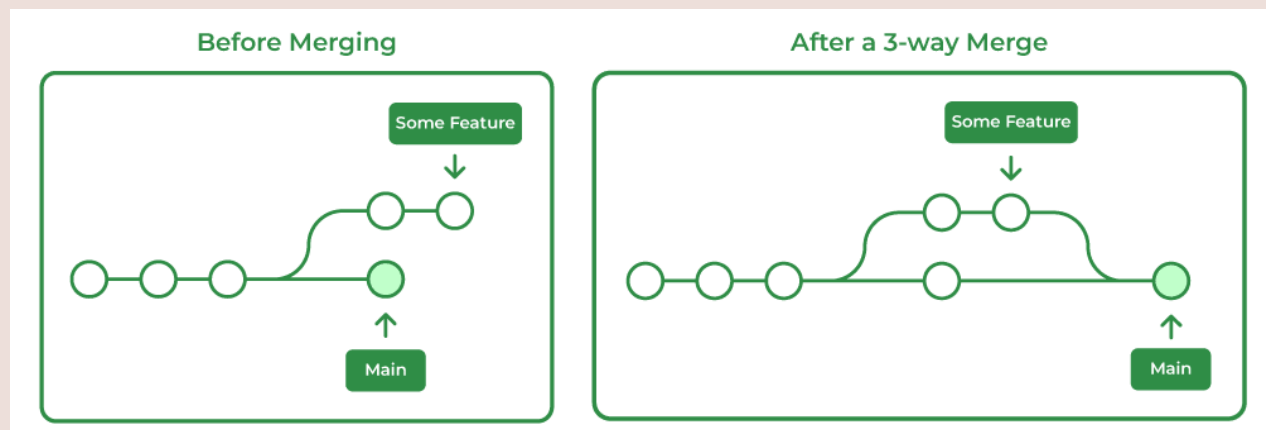
Git:

The GIT full form is “Global Information Tracker,” a powerful version control system widely used for software development and other collaborative projects.

Branching and Merging

Branching: Imagine you are working on a project and want to try something new without changing the main project. You create a **Branch** which is like a copy where you can make changes.

Merging: If your changes work well, you can combine **Merge** your branch back into the main project so everyone can see your improvements.



Remote Repositories

A remote repository is a project stored on GitHub. You can copy (clone) it to your computer, make changes, and then send those changes back to the GitHub (push).

Advanced Topics

Pull Requests: When you want to add your changes to the main project, you create a pull request. This asks others to review and approve your changes before adding them.

Issues: These are lists of tasks or problems that need fixing. They help track what needs to be done in a project.

Tools and Services

GitHub Actions: Automate tasks like testing your code every time you make changes.

GitHub Pages: Host websites directly from your GitHub project.

Integrations: Connect other tools to GitHub to make your work easier.

Closing Thoughts:

GitHub is a powerful tool for working on projects. It helps you keep track of changes, try out new ideas safely, and share your work with others. Whether you're working alone or with a team, GitHub makes it easier to manage and improve your projects.

Conclusion:

GitHub is a version control and important for yours projects. It helps you organize your work, collaborate with others, and automate tasks. You can work more effectively and create better projects and all the records you can manage here not only code u can upload **Documents, SRS Artifacts, Diagram** etc. All the things related your project you can push it.

Contributing on GitHub

