

Day 19: Collaborative Development and Version Control

Contents Covered:

GitHub and Collaborative Development:

- Explored central repositories and their role in collaborative development.
- Discussed forking, cloning, pushing, pull requests, and merging data into a central repository.
- Emphasized the importance of version control in managing changes and collaborating effectively.

GitHub Desktop and Command Line:

- Introduction to using GitHub Desktop for version control tasks.
- Basics of command line usage for Git operations, enhancing flexibility and control over versioning processes.

Other Tools:

- Brief introduction to project management tools like Trello and Asana, highlighting their utility in organizing and tracking project tasks.

Authentication:

- Discussion on TOTP (Time-based One-Time Password) authentication.
- Introduction to tools like Authy for enhancing security through two-factor authentication (2FA).

Tasks:

- Applied Git commands: Forked the central repository created by the instructor, pushed content to it, and sent a pull request for merging.
- Studied TOTP authentication methods and their applications.

Tools:

- **GitHub:** For collaborative development and version control.
- **GitHub Desktop:** For managing Git operations with a graphical interface.
- **Authy:** For implementing TOTP authentication and securing accounts.

Summary:

Day 19 focused on enhancing collaborative development skills through GitHub and understanding version control systems. Key activities included learning about forking, cloning, pushing, pull requests, and merging, with practical application using GitHub Desktop and command line. Additionally, the day introduced project management tools like Trello and Asana, and covered the

importance of TOTP authentication for securing accounts, using tools like Authy. These learnings and tasks reinforced the principles of effective collaboration and security in software development.