**Scenario Task: Enhancing Project Documentation and Practicing Git Commands**

**Objective:** Practice Git and GitHub commands by collaborating on enhancing the README.md file of a shared project, focusing on creating branches, making changes, merging locally, and using the git log command.

**Scenario**

You and your team are working on a shared GitHub repository for a project. Each team member will contribute by adding technical information to the README.md file. Each student will use their own main branch to ensure safety and practice merging locally. Additionally, you will practice viewing commit history using git log and making an extra commit.

**Instructions**

1. **Setup:**
   * Clone the repository to your local machine.
   * Create and switch to your personal main branch named **main-<your-name>**.
2. **Initial Commit:**
   * Make an initial commit to your personal main branch with a message like "Initial setup on personal main branch."
3. **Create a New Branch:**
   * Create a new branch for your task. Name the branch **feature-<your-name>**.
4. **Enhance the README.md:**
   * Open the README.md file in the repository.
   * Append a new section about a technical topic related to the project. For example, you could add a section on "Setup Instructions," "Feature Usage Examples," or "Best Practices."
   * Make Sure the text in current README.md don’t get deleted. You need to only append your message.
5. **Commit Your Changes:**
   * Commit your changes with a meaningful message.
6. **Push Your Branch:**
   * Push your branch to the remote repository on GitHub.
7. **Merge Locally:**
   * Switch back to your personal main branch.
   * Merge your feature branch into your personal main branch locally.
   * Resolve any merge conflicts if they arise.
8. **Add Another Commit:**
   * Make an additional change or commit to your personal main branch, such as updating a different section of the README.md file.
   * Commit this change with a message like "Additional update to personal main branch."
9. **Push Merged Changes:**
   * Push the merged personal main branch to the remote repository.
10. **Log History:**

* Use the git log command to view the full commit history, ensuring all your changes are correctly recorded.

1. **Clean Up:**
   * Delete your last commit locally in main-branch.

**Remote\_Repo\_URL:** https://github.com/Hasnat-Ahmed-Goheer/Cpp\_Training.git