

GitHub link: <https://github.com/AishaEniola/simple-calculator.git>

Reflection by Aisha Muftau on working with github

Working on the calculator project with Git was a valuable experience that deepened my understanding of version control. I had used Git before, but I never truly understood what it does. I assumed it was just for saving code, but this project showed me it is much more. By initializing a repository, committing each feature separately, and pushing to GitHub, I learned how progress can be tracked and documented clearly. This hands-on experience demonstrated how Git transforms coding from a simple linear task into a structured, traceable workflow where each change has purpose and context.

One of the most important lessons I learned was the value of making small, individual commits. Breaking the calculator into parts such as addition, subtraction, multiplication, and division allowed me to test features independently and return to earlier versions if needed.

The biggest challenge I faced was setting up the remote connection to GitHub, but once I figured it out, pushing my work online became straightforward. I also struggled with forgetting to pull commits made online, which complicated later pushes. Working across devices introduced merge conflicts but resolving them taught me the importance of maintaining synchronization by pulling and pushing regularly. I realized that committing often with clear messages not only provides a safer backup but also makes it easier to track progress and debug errors.

Overall, this activity showed me Git is not just a storage tool but a powerful system for organization, collaboration, and reliable development.