Experiment 9: Continuous Integration using Jenkins

⬜ Aim:

To automate the build and testing process using Jenkins CI/CD.

⬜ Objective:

- Learn how Jenkins automates software builds and testing.
- Understand how code from GitHub can trigger automation.

⬜ Tool Used:

Jenkins, GitHub, Maven (for Java projects).

⬜ Procedure:

1. Install Jenkins on your system or use an online version.
2. Create a new job (Freestyle Project).
3. Connect it to a GitHub repository.
4. Add build steps (like compile or test using Maven/Gradle).
5. Save and click "Build Now".
6. Observe the build output and test results.

⬜ Result:

Successfully automated code fetch and testing using Jenkins CI pipeline.