**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.