Lab Exercise 7
Integrating Maven with Jenkins

OBJECTIVE: To install the Maven plugin in Jenkins for smooth integration and automation of Maven-based build processes within the Jenkins environment

**TOOLS REQUIRED:** Git, GitHub, and Jenkins

PREREQUISITES: None

STEPS TO BE FOLLOWED:
1. Install the Maven plugin
2. Set up Global Tool Configuration
3. Fork a sample repository
4. Integrate Maven with Jenkins
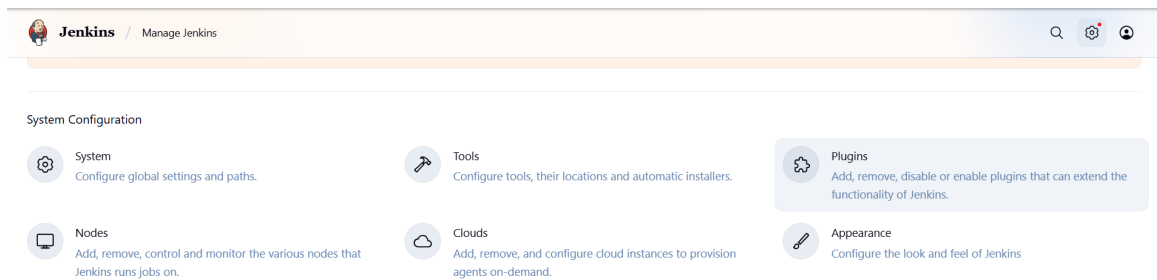
STEP 1: INSTALL THE MAVEN PLUGIN

1. Open the browser, go to the Jenkins Dashboard by typing **localhost:8080** in your browser, provide the credentials, and click the **Sign in** button
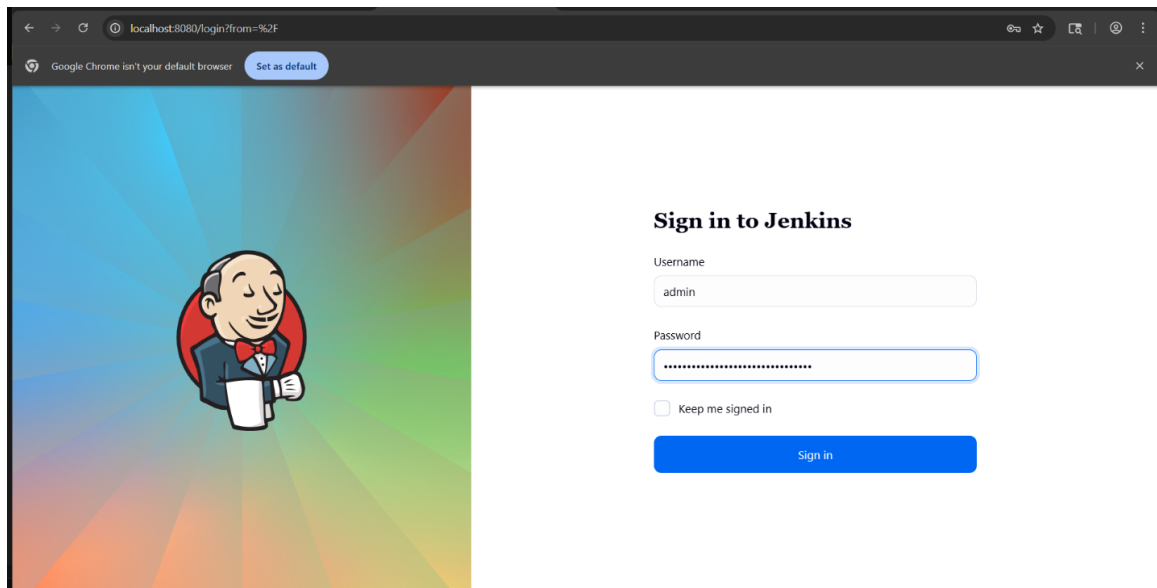
2. **Click on the Manage Jenkins option as shown in the screenshot below:**
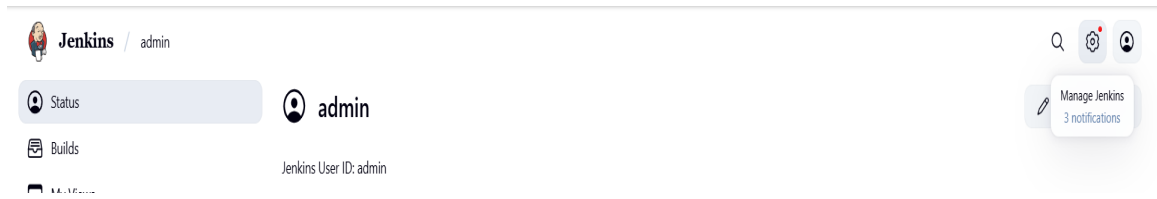
3. **Click on the Plugins option as shown in the screenshot below:**

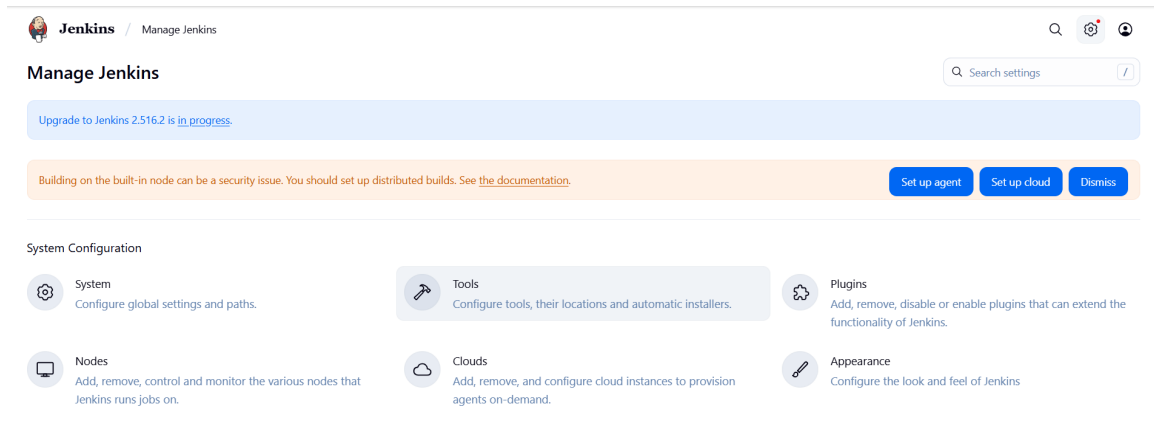4. **Click on Installed plugins to verify whether the Maven Integration plugin has been installed**

5. **Use the following command to check the Maven version:**
   mvn -version

Step 2: Set up Global Tool Configuration

1. **Go to the Jenkins Dashboard, click on Manage Jenkins, and then select Tools from the list of options**

2. **To configure Maven, click on the Maven installations button in the Maven section and enter a Name and MAVEN_HOME path**