# Lab Exercise 8 Setting up Maven Build Job in Jenkins

**Objective:** To set up Maven build job in Jenkins for automating the build process, enabling continuous integration to enhance the software development lifecycle

Tools required: Jenkins

**Prerequisites:** You need to have a Jenkins up and running.

#### Steps to be followed:

1. Log in to Jenkins CI tool and configure Maven freestyle job

## Step 1: Log in to Jenkins CI tool and configure Maven freestyle job

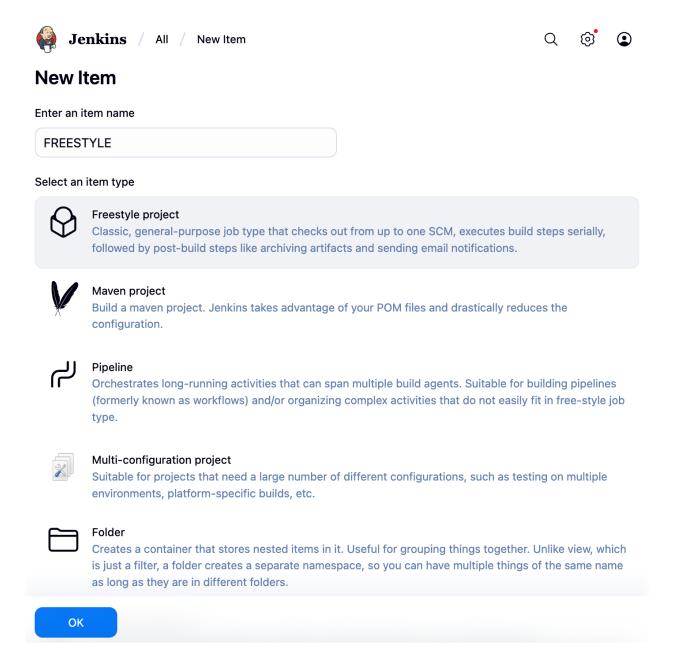
1. Log in to Jenkins using your credentials



#### Sign in to Jenkins

mohdanas	
Password	
Keep me signed in	
	Sign in

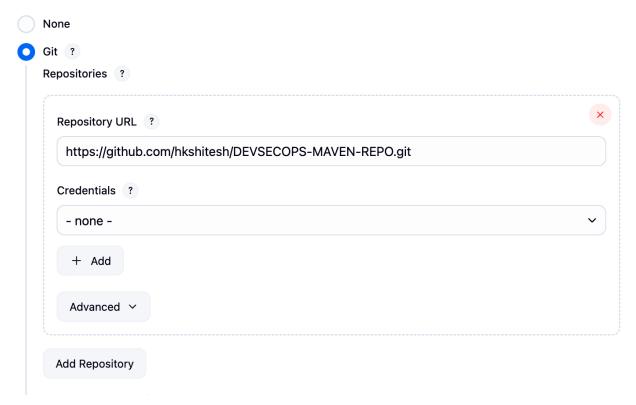
- 2. In the Jenkins dashboard, click on New Item
- **3.** Select the **Freestyle project** while creating a Jenkins job, provide a custom job name, and click on **OK**



4. Now, in the Configure page, navigate to **Source Code Management** in the left navigation bar, select **Git**, and then provide the Git repository URL

#### Source Code Management

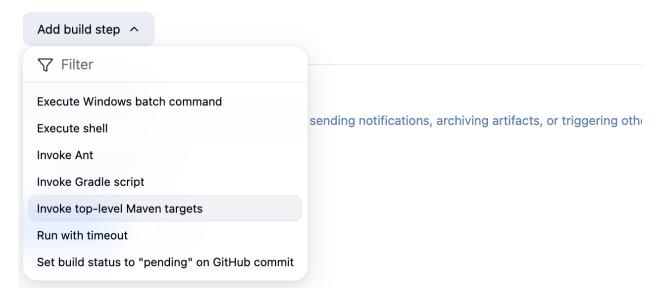
Connect and manage your code repository to automatically pull the latest code for your builds.



5. Now, navigate to **Build Steps**, click on **Add build step**, and then select the option **Invoke** top-level Maven targets

#### **Build Steps**

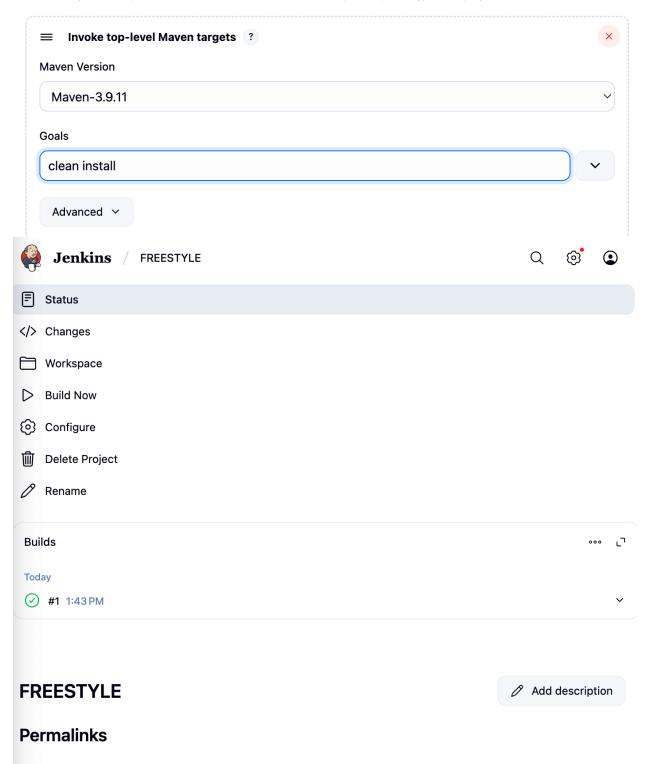
Automate your build process with ordered tasks like code compilation, testing, and deployment.



6. Provide clean install under Goals section and then click on Save

### **Build Steps**

Automate your build process with ordered tasks like code compilation, testing, and deployment.



7. You will be navigated to the project after clicking on Save. Now, click on **Build Now** to initiate a new build, and the build logs will display the progress of the build process.

You can see that the build is configured successfully.

By following these steps, you have successfully set up Maven build job in Jenkins for automating the build process, enabling continuous integration to enhance the software development lifecycle.