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Lab Exercise 8
Setting up Maven Build Job in Jenkins

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Devops B2

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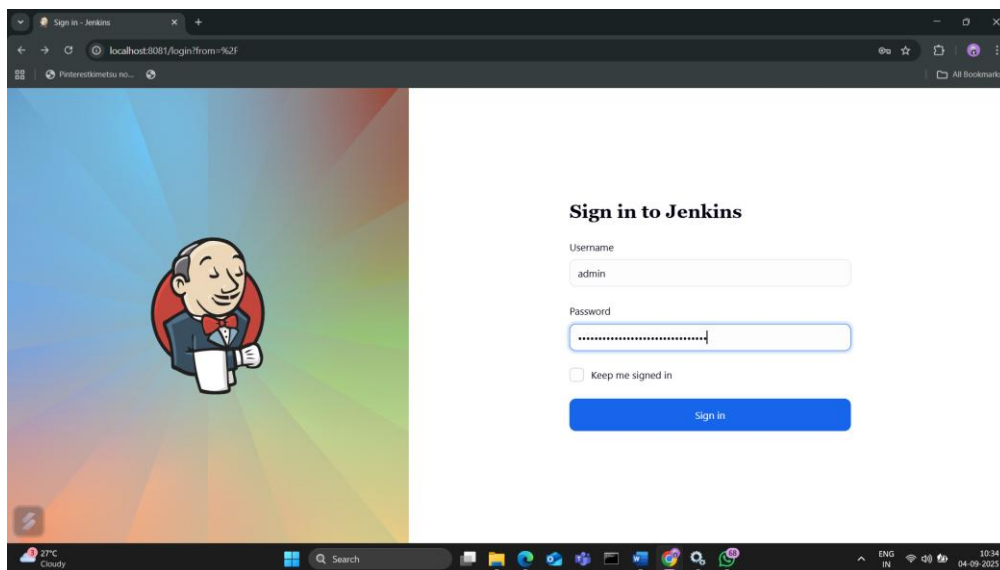
Tools required: Jenkins

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

Steps to be followed:

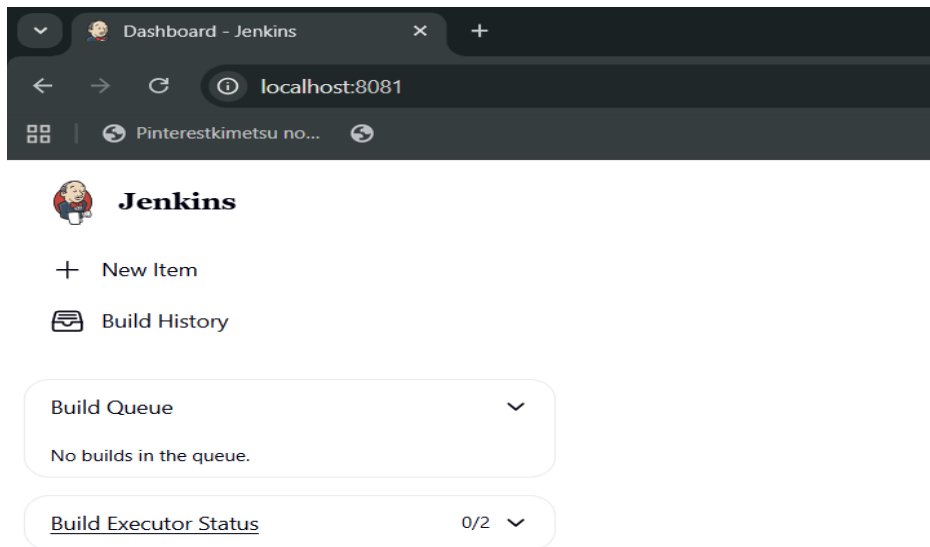1. Log in to Jenkins CI tool and configure Maven freestyle job

Step 1: Log in to Jenkins CI tool and configure Maven freestyle job
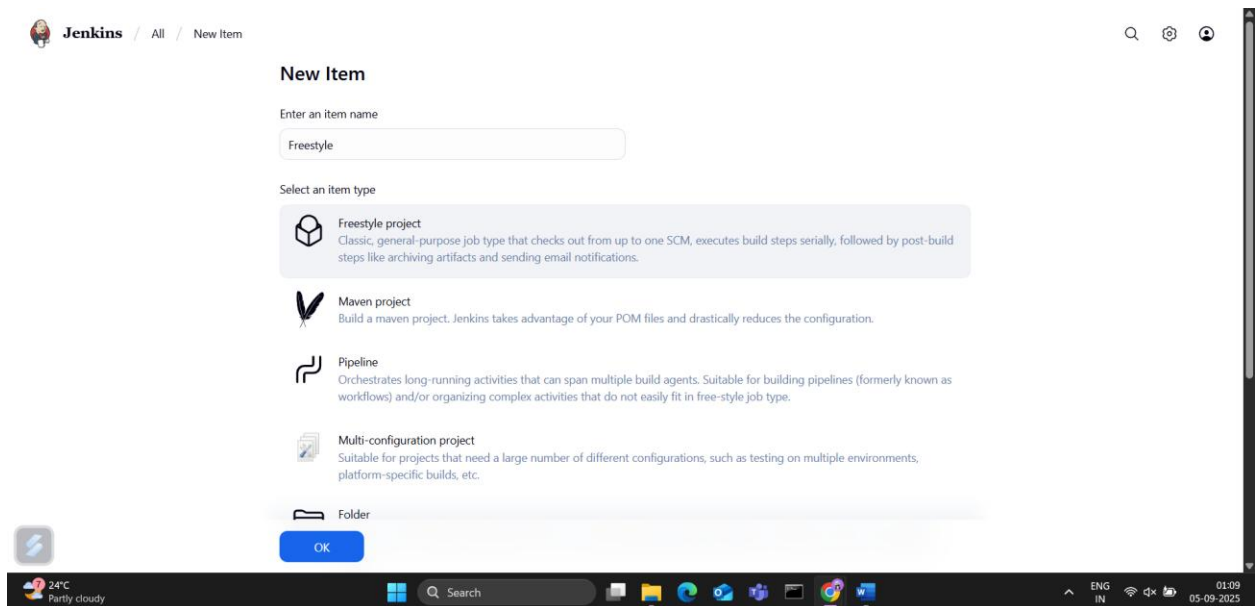
1.1 Log in to Jenkins using your credentials

Note: The credentials for accessing Jenkins in the lab are Username: **admin** and Password: **admin**.
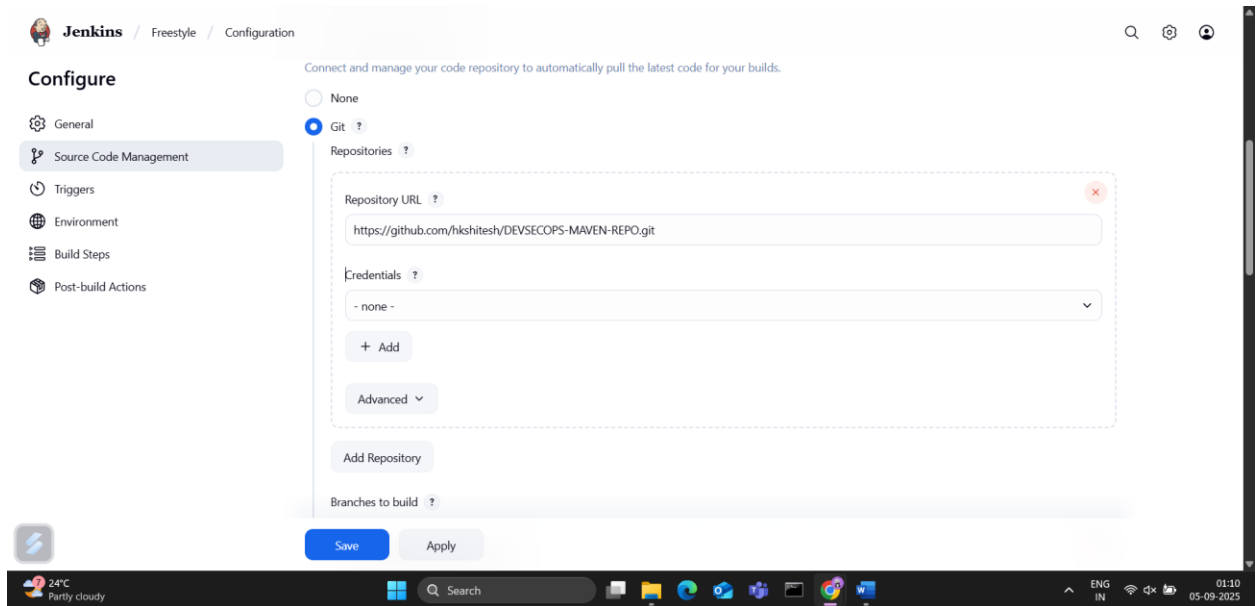
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1.2 In the Jenkins dashboard, click on **New Item**

1.3 Select the **Freestyle project** while creating a Jenkins job, provide a custom job name, and click on **OK**
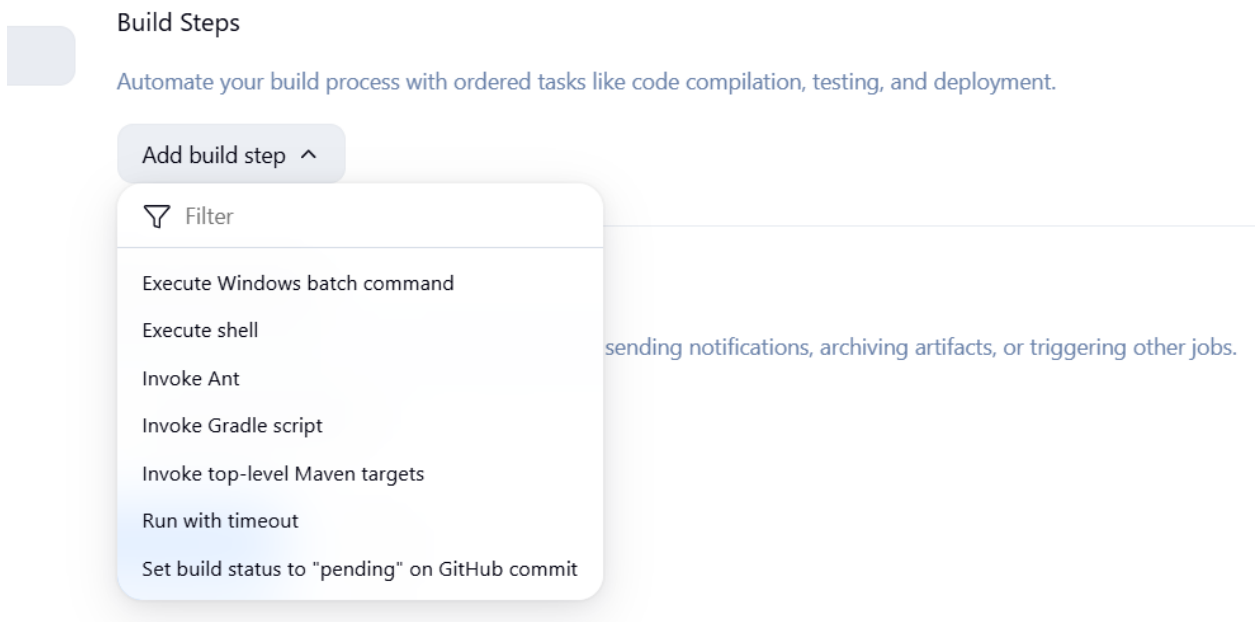
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1.4 Now, in the Configure page, navigate to **Source Code Management** in the left navigation bar, select **Git**, and then provide the Git repository URL
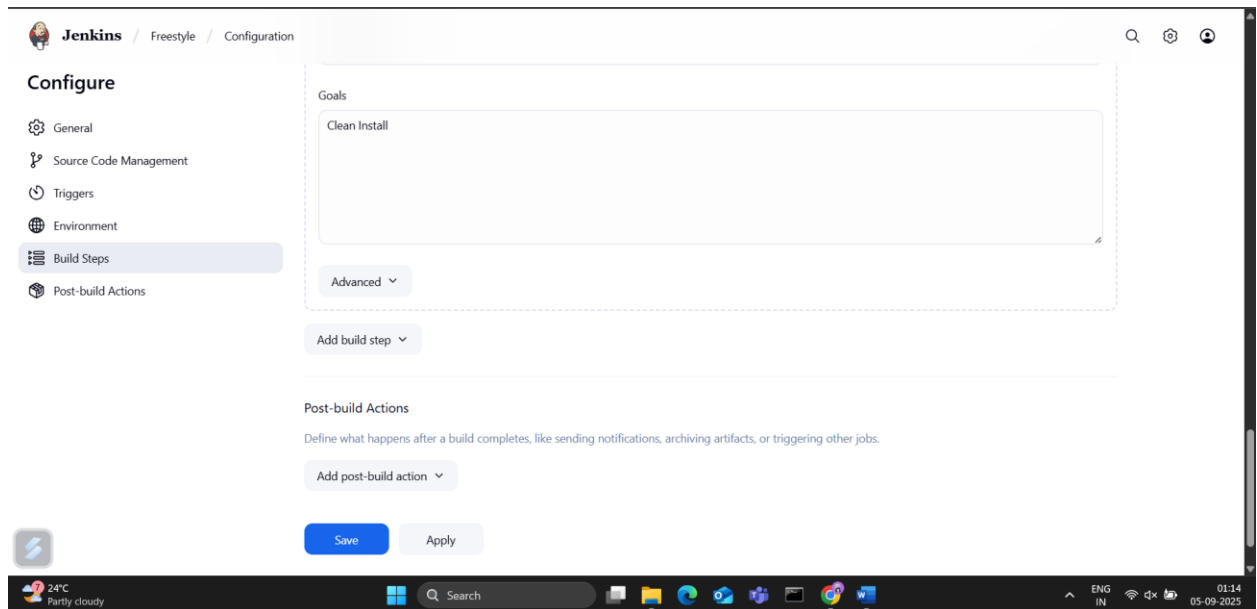

> **Note:** Here, the repository URL is **https://github.com/hkshitesh/DEVSECOPS-MAVEN-REPO.git.**
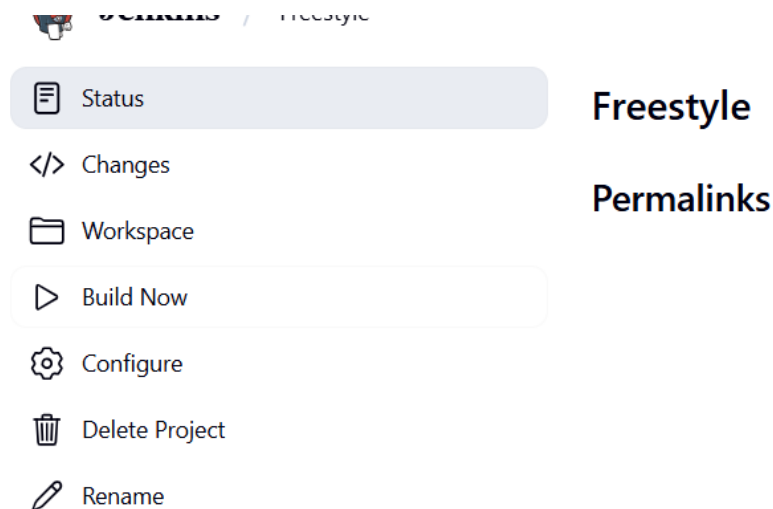
1.5 Now, navigate to **Build Steps**, click on **Add build step**, and then select the option **Invoke top-level Maven targets**

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1.6 Provide clean install under **Goals** section and then click on **Save**

1.7 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.

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Started by user admin

This run spent:

- 4 ms waiting;
- 1.5 sec build duration;
- 1.5 sec total from scheduled to completion.

git **Revision**: 04a6890beda18d9a0604c2a45835912c4cdb966b
Repository: https://github.com/hkshitesh/DEVSECOPS-MAVEN-REPO.git

- refs/remotes/origin/master

</> No changes.

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.