# Lab Exercise 20 Creating a Pipeline Script

Objective: To create a pipeline script for automating build processes in Jenkins

Tools required: Jenkins

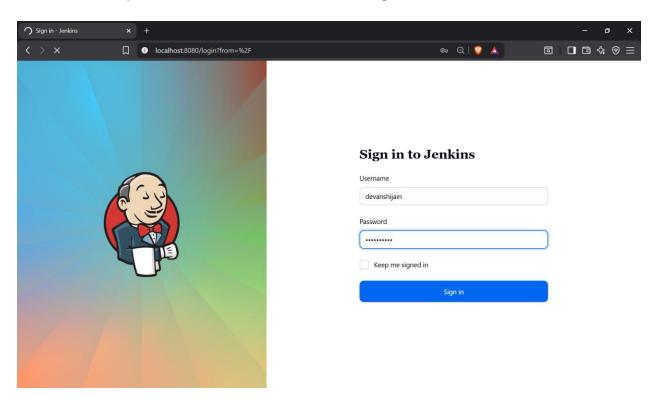
Prerequisites: None

### Steps to be followed:

1. Log in to the Jenkins CI tool and create a pipeline script

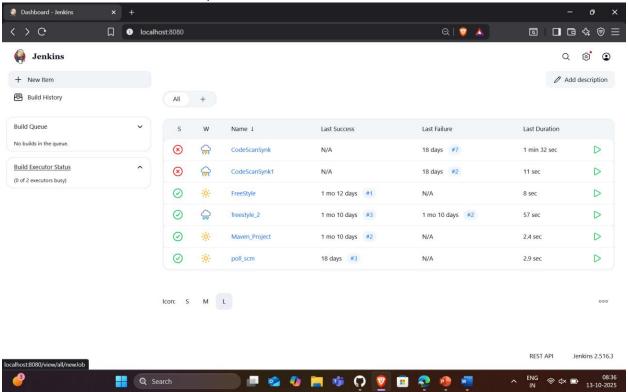
## Step 1: Log in to the Jenkins Cl tool and create a pipeline script

1.1 Open the browser, go to the Jenkins **Dashboard** by typing **localhost:8080** in your browser, provide the credentials, and click the **Sign in** button

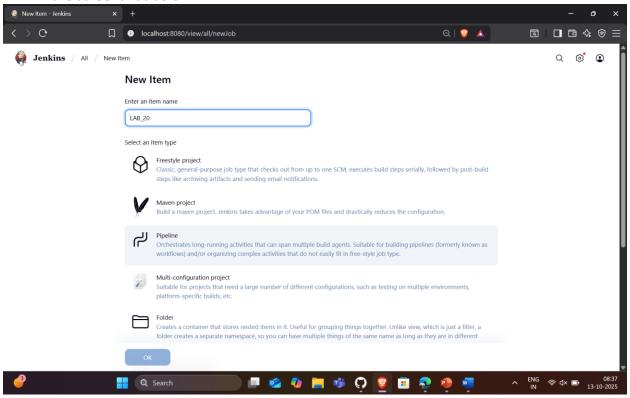


**Note:** The credentials for accessing Jenkins in the lab are Username: **admin** and Password: **admin**.

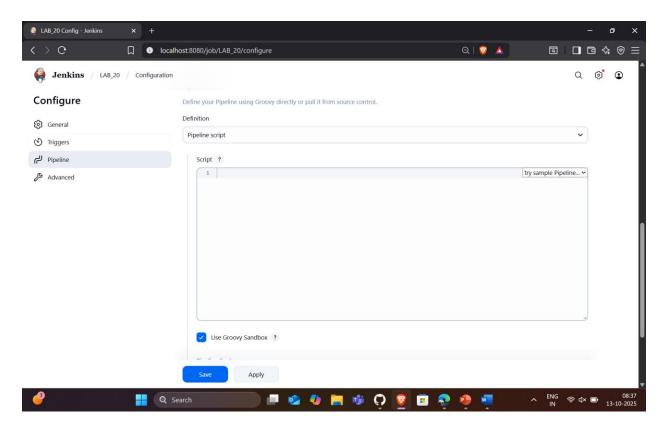
1.2 Click on the **New Item** option as shown in the screenshot below:



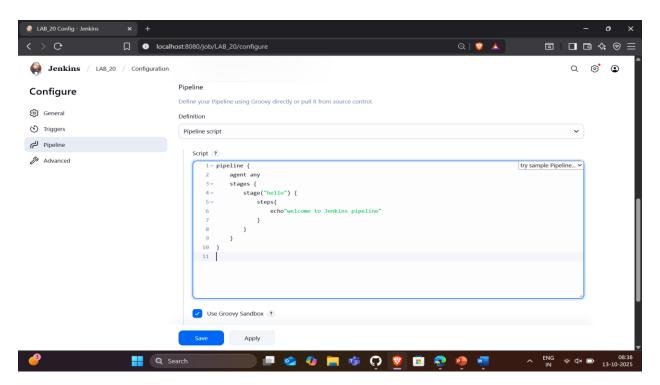
1.3 Enter a desired name for the project, select **Pipeline**, and then click on **OK** as shown in the screenshot below:



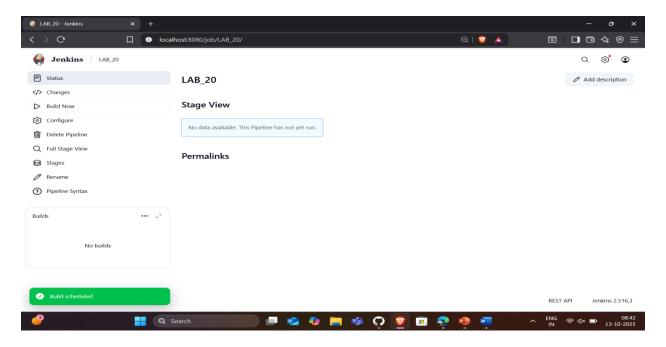
1.4 Click on **Pipeline** as shown in the screenshot below:



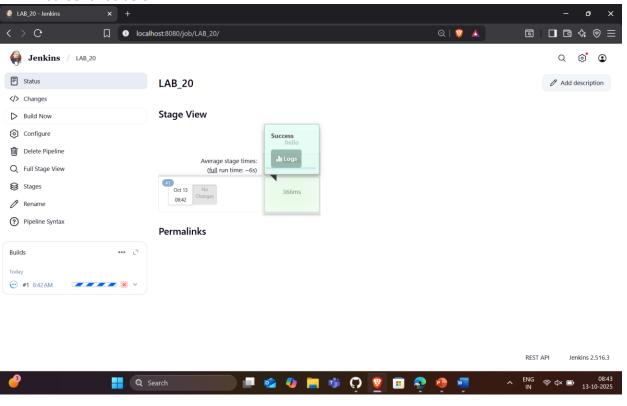
1.5 Enter the following pipeline script in the script editor and click on **Save** as shown in the screenshot below:



1.6 Click on **Build Now** to run the pipeline script as shown in the screenshot below:

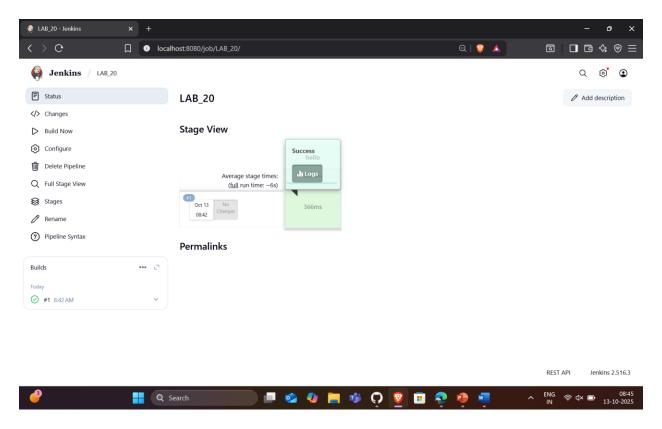


1.7 Hover over the milliseconds number next to the build stage name as shown in the screenshot below:

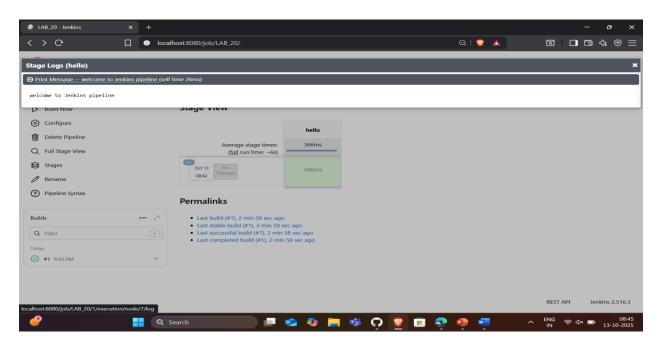


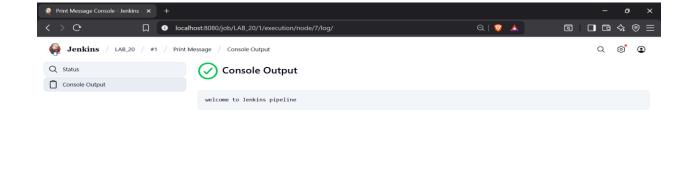
Note: Ensure that you hover the cursor over the milliseconds number without clicking on it

1.8 Click on **Logs** as shown in the screenshot below:



1.9 Check for the message in the top-left corner to confirm the successful execution of the pipeline stage as shown in the screenshot below:



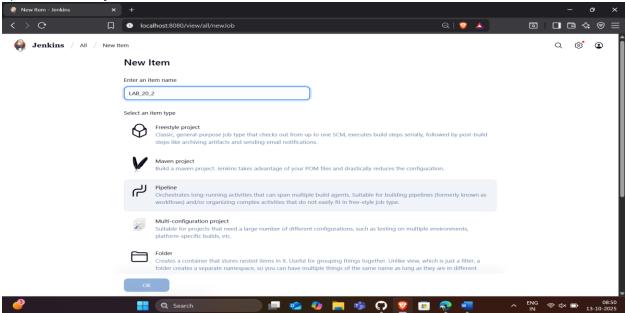




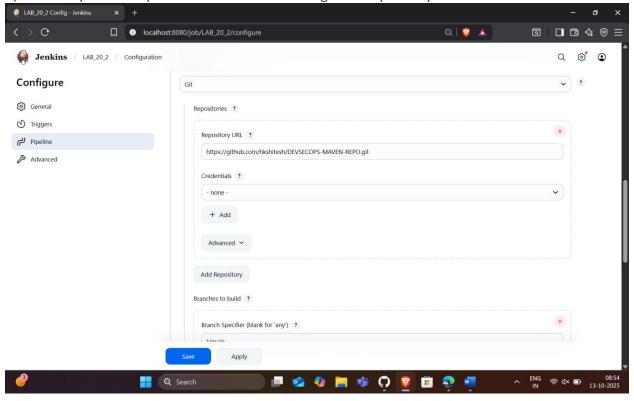
By following these steps, you have successfully created a pipeline script for automating build processes in Jenkins.

# PART-2: Creating Jenkins Pipeline through Github Project

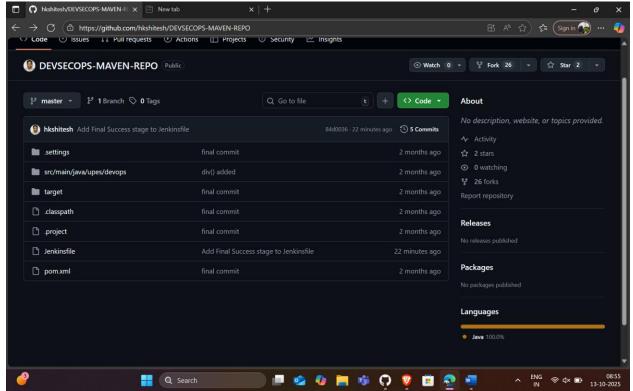
1)Create a new job



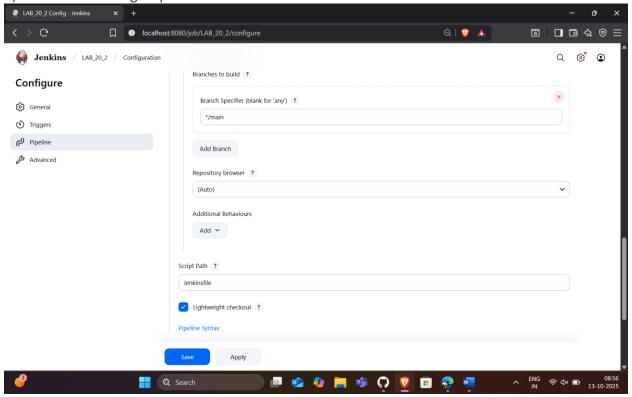
2)Select "Pipeline Script from SCM" and add the github repository url



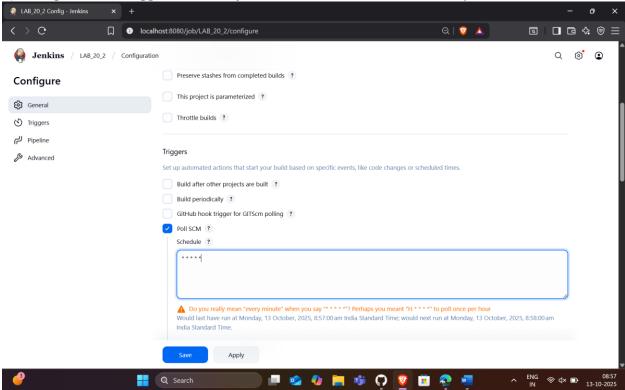
3) I am using this github repository



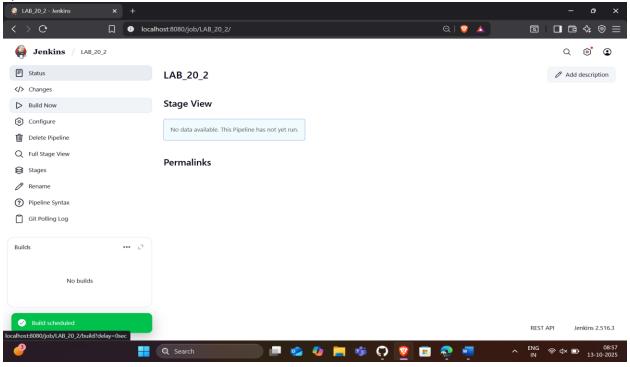
4)Add the remaining required information



5)Adding Poll SCM trigger with cron job \*\*\*\*\* so that it runs after every five minutes



#### 6)Click on Build Now



7) This is the Stage view after pipeline has been successfully run

