**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**

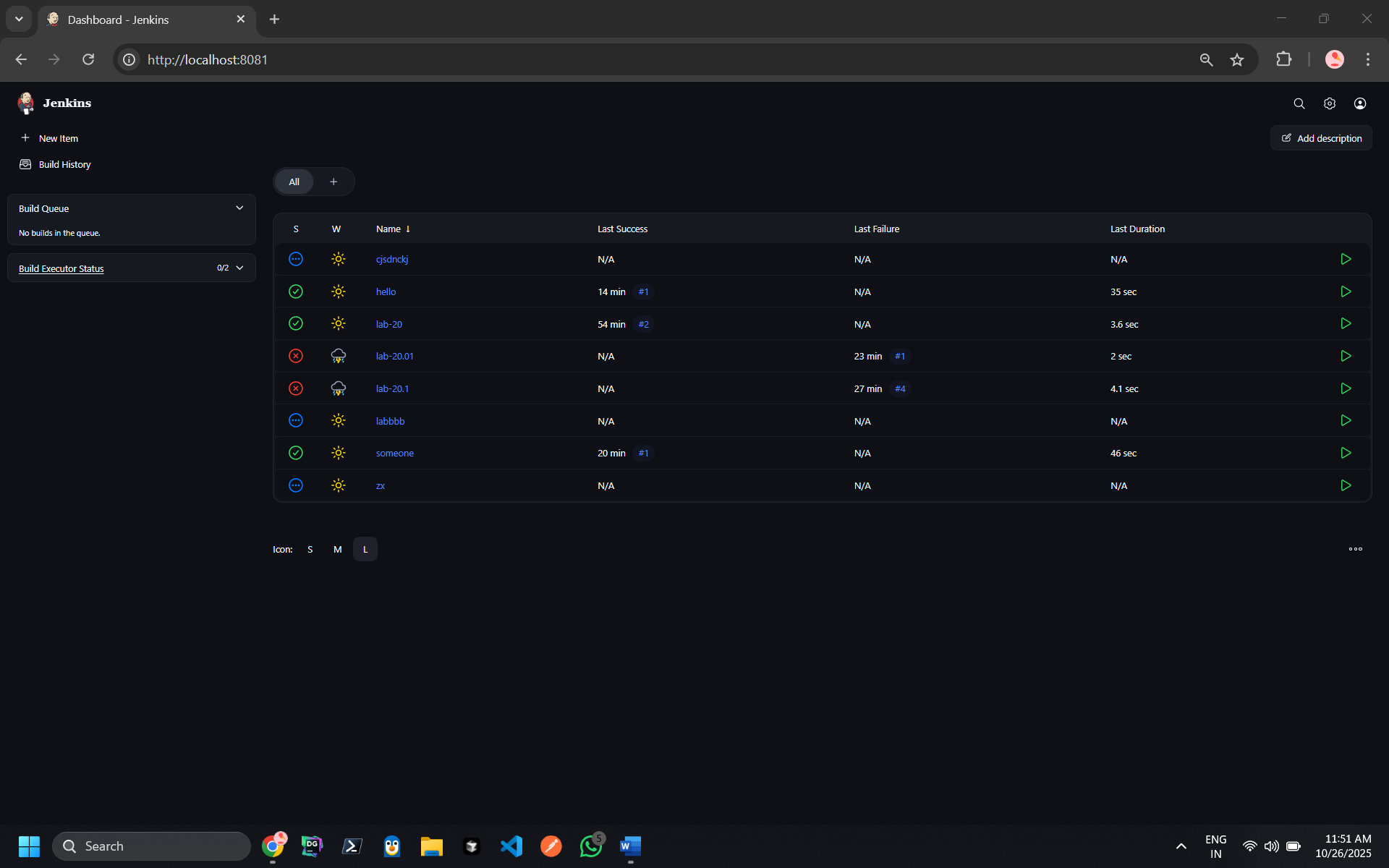
1. Open the browser, go to the Jenkins **Dashboard** by typing **localhost:8080** in your browser, provide the credentials, and click the **Sign in** button

A screenshot of a login page

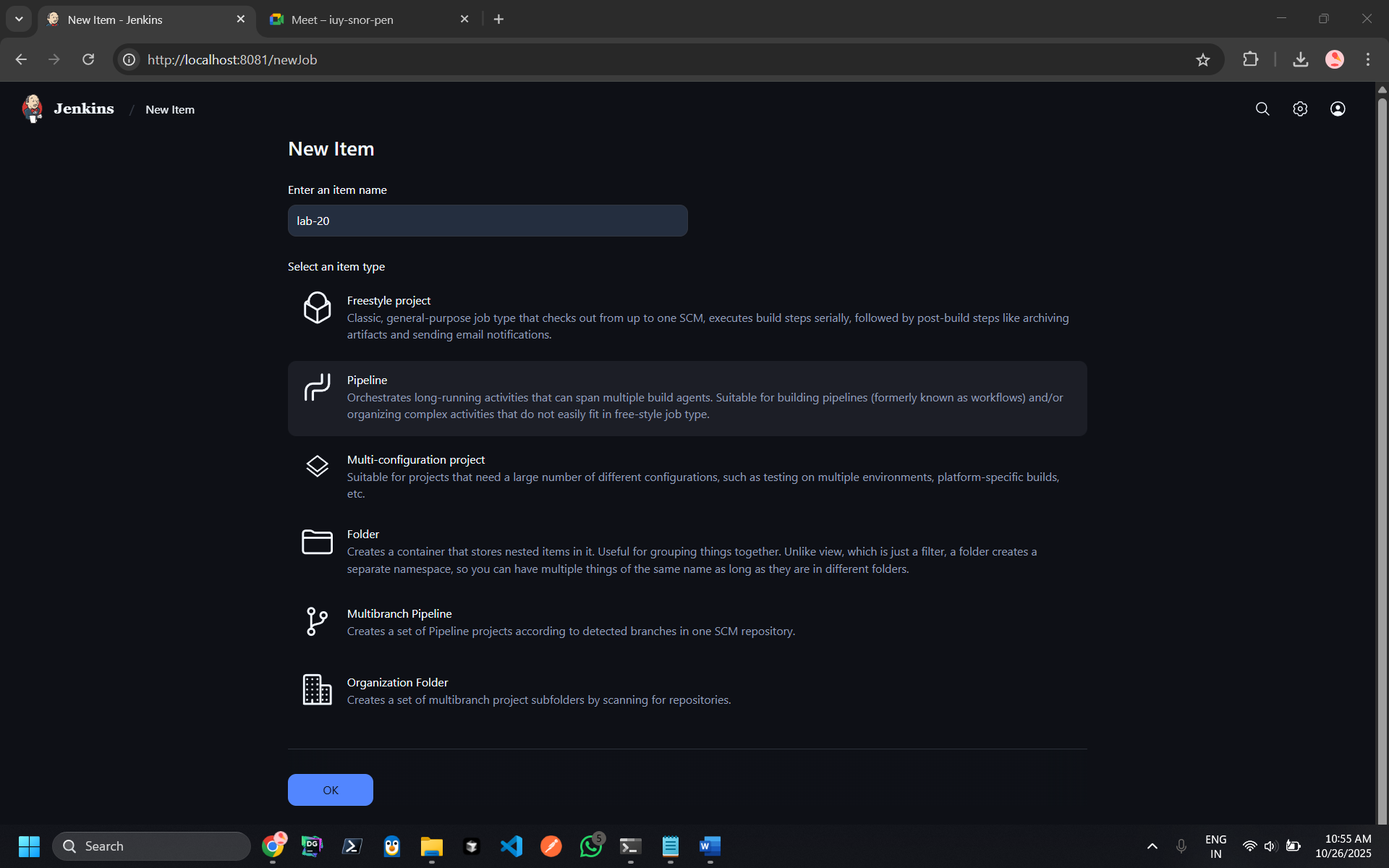
Description automatically generated

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

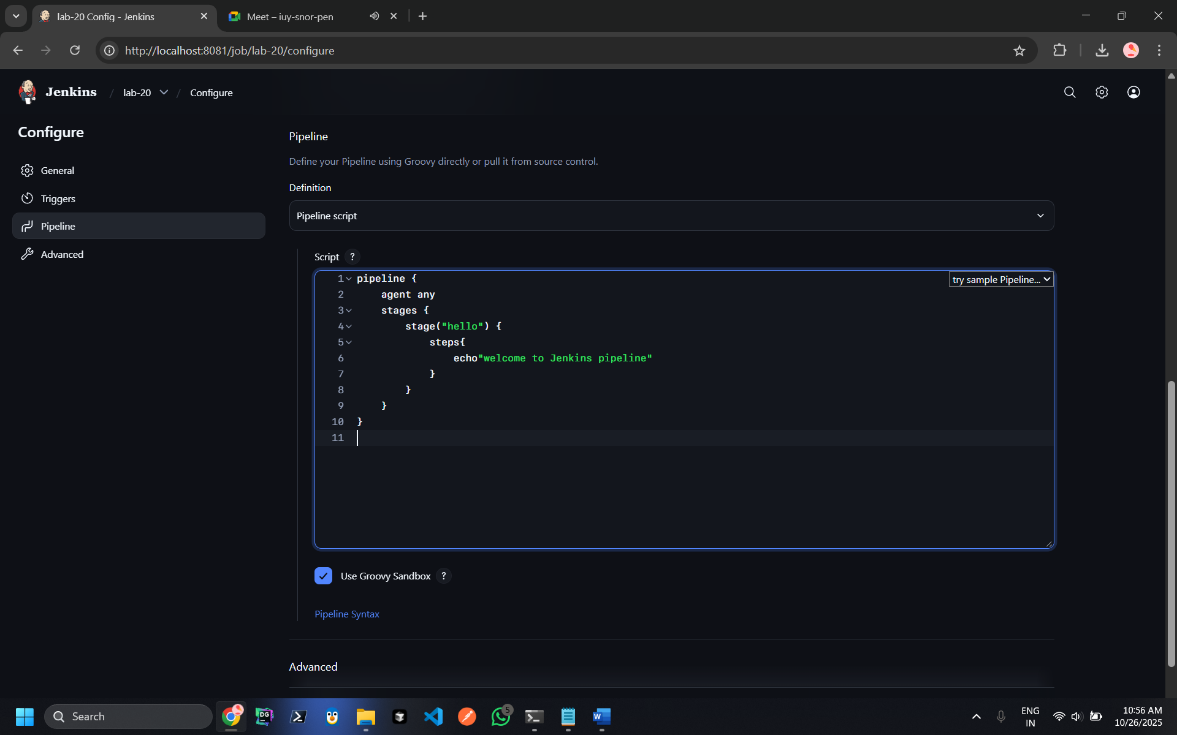
1. Click on the **New Item** option as shown in the screenshot below:



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



1. Click on **Pipeline** as shown in the screenshot below:



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

**pipeline {**

**agent any**

**stages {**

**stage("hello") {**

**steps{**

**echo"welcome to Jenkins pipeline"**

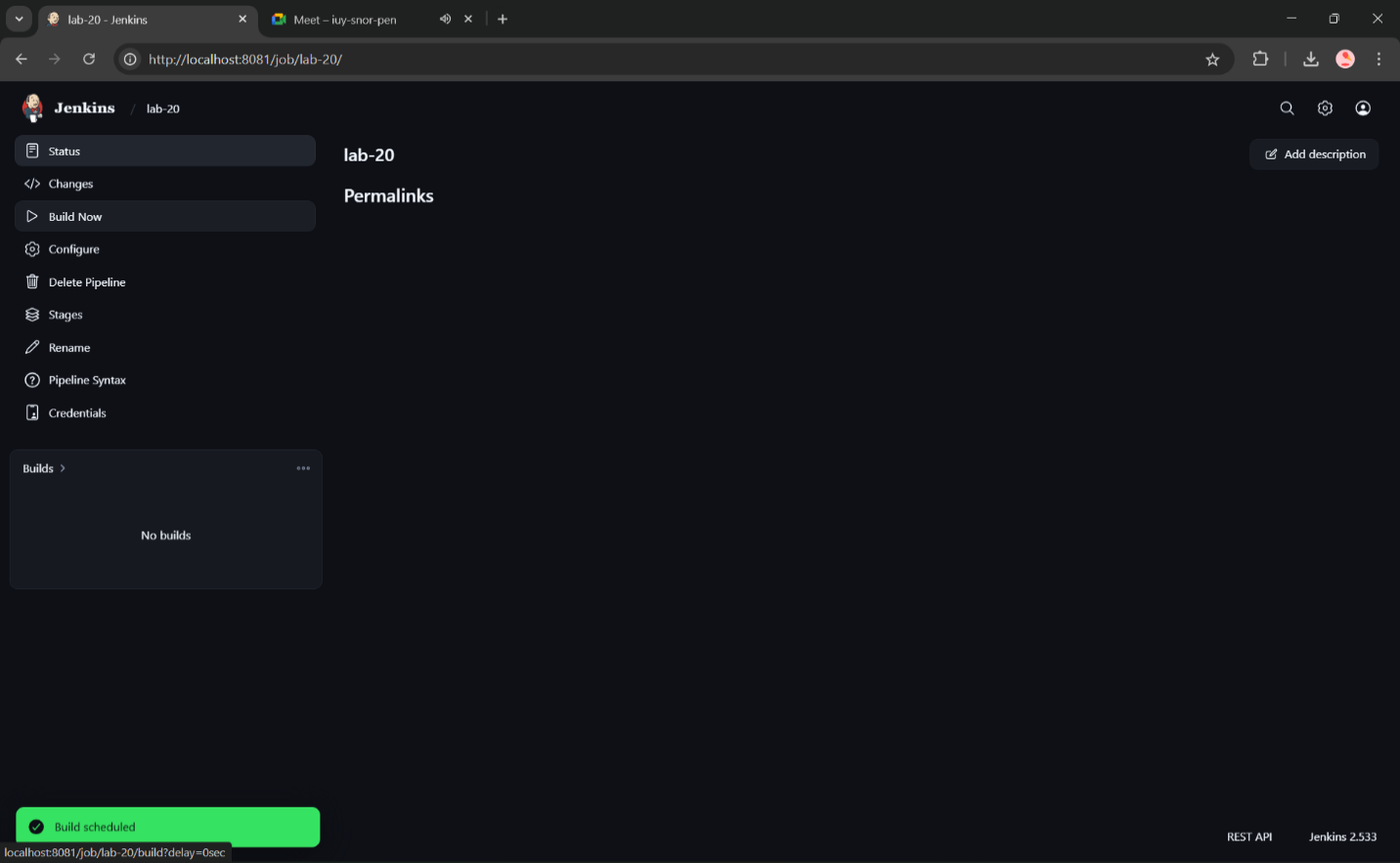
**}**

**}**

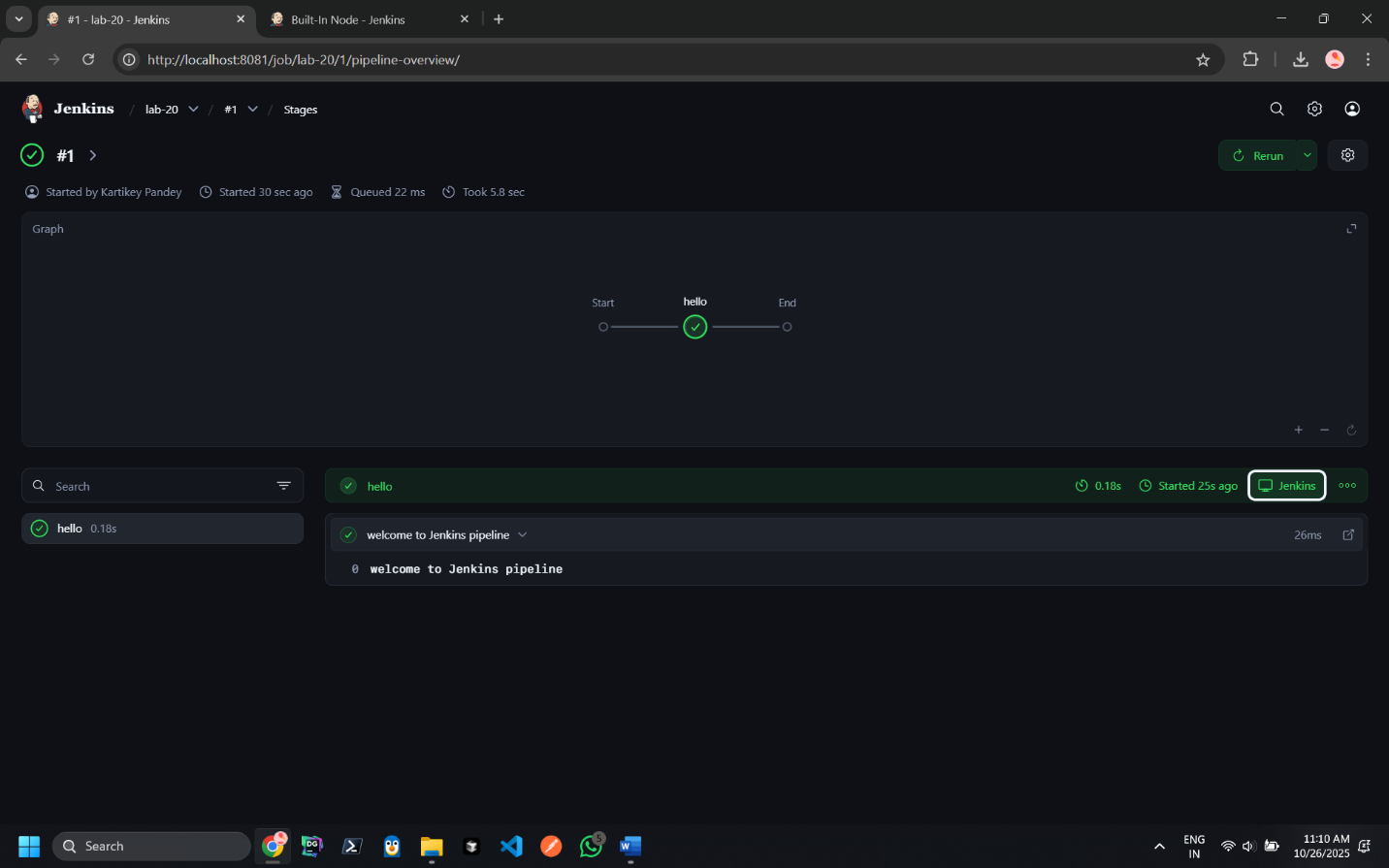
**}**

**}**

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

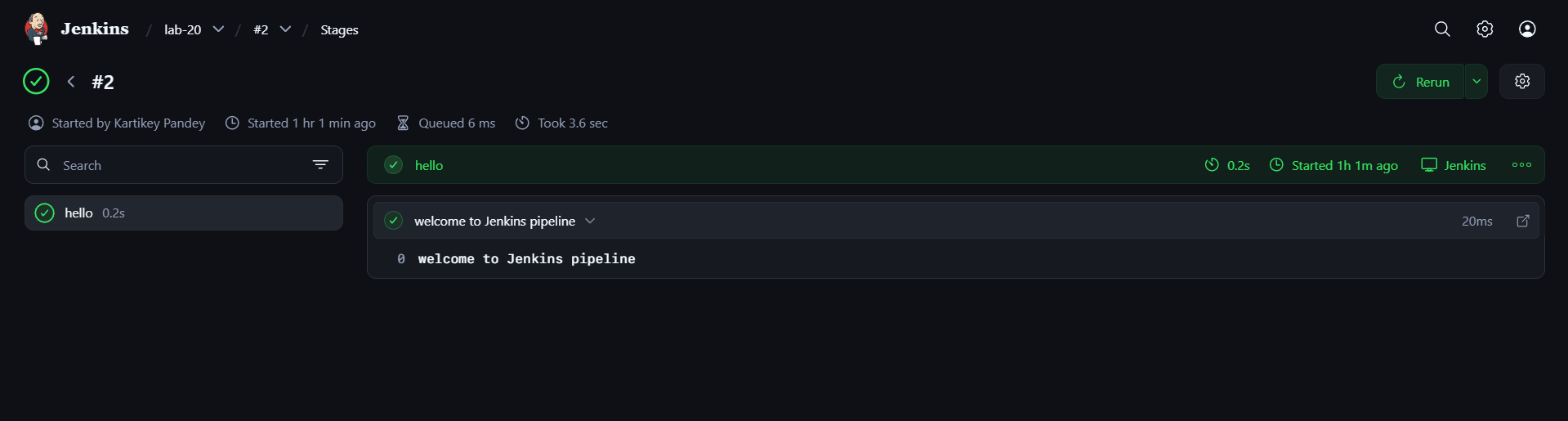


1. Hover over the milliseconds number next to the build stage name as shown in the screenshot below:

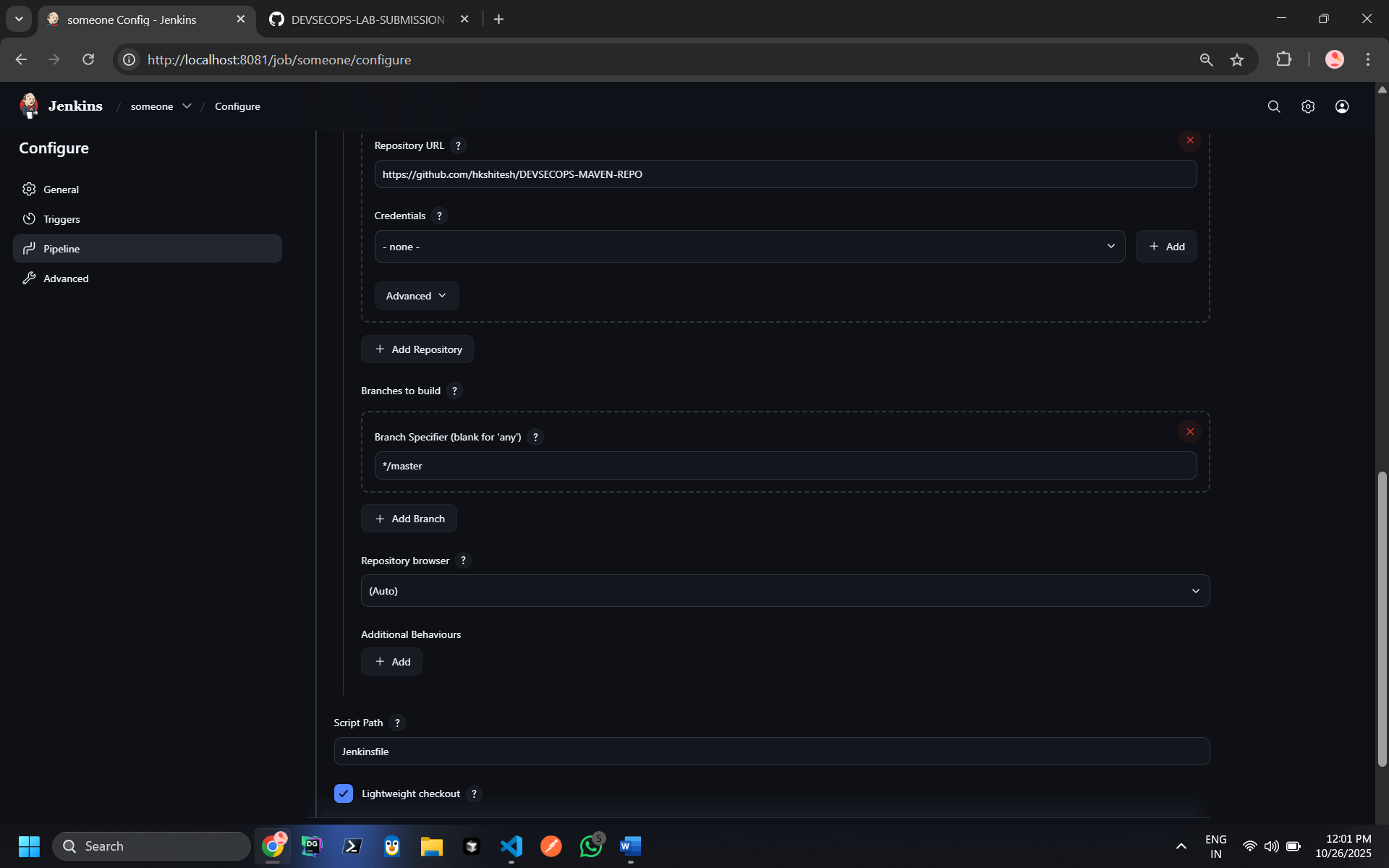


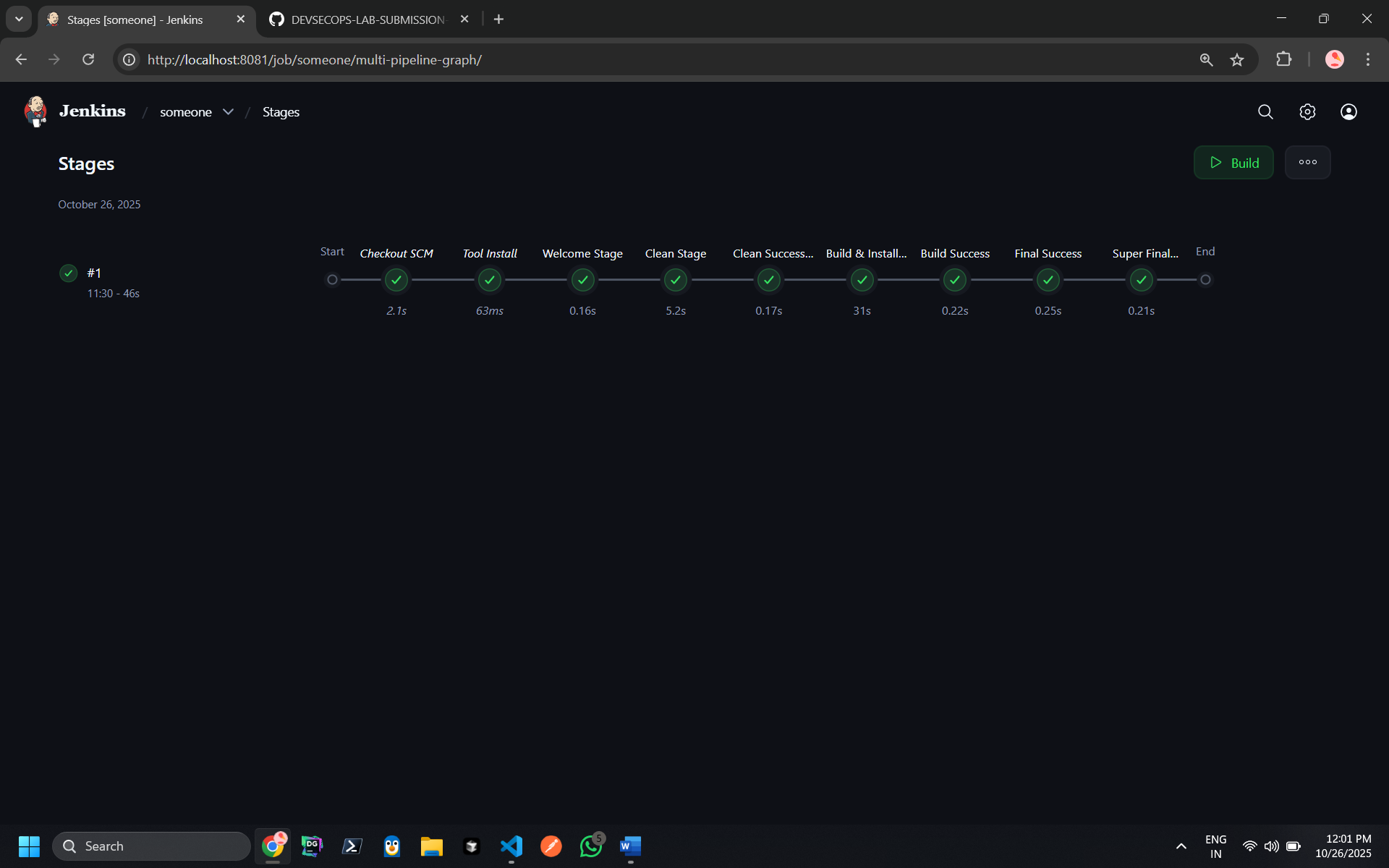
|  |
| --- |
| **Note:** Ensure that you hover the cursor over the milliseconds number without clicking on it |

1. Click on **Logs** as shown in the screenshot below:



Now we have to do it with pipeline script with scm





Now we can see every step detail by checking on any step what time taken to build that step what it is doing

