Lab Exercise 20

Creating a Pipeline script

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Batch:- DevOps B1

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Course:- Btech - CSE

To:- Hitesh Sharma Sir

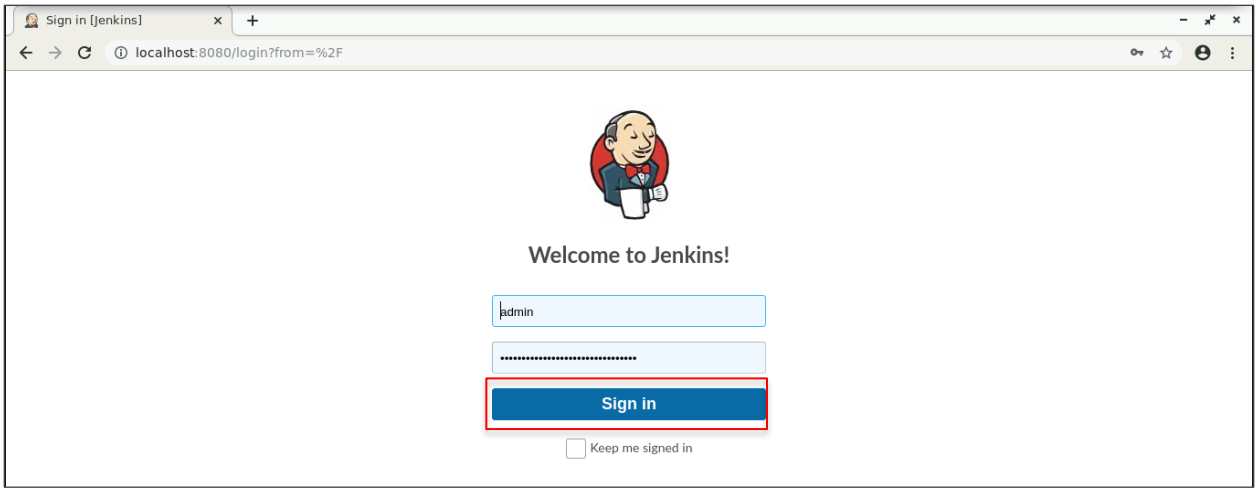
Objective: To create a pipeline script for automating build processes in Jenkins **Tools required:** Jenkins **Prerequisites:** None

Steps to be followed:

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

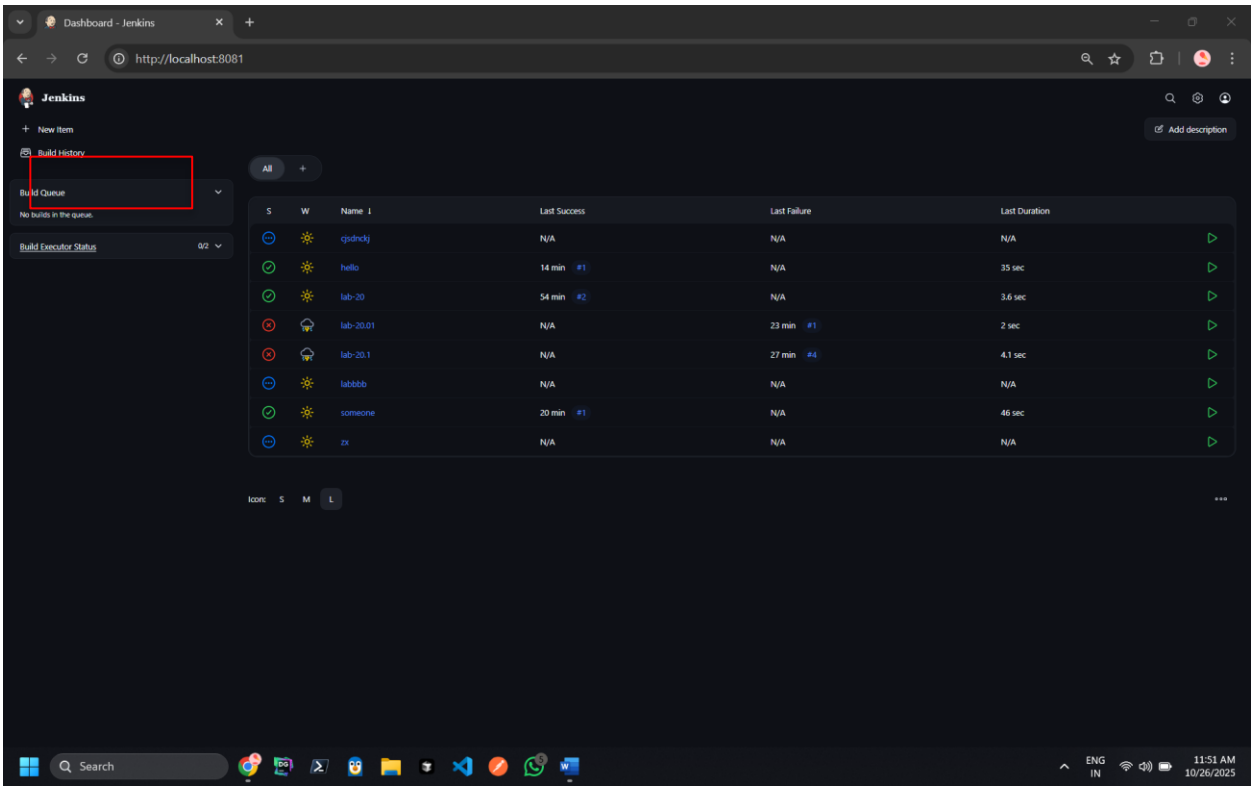
Step 1: Log in to the Jenkins Cl tool and create a pipeline script

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

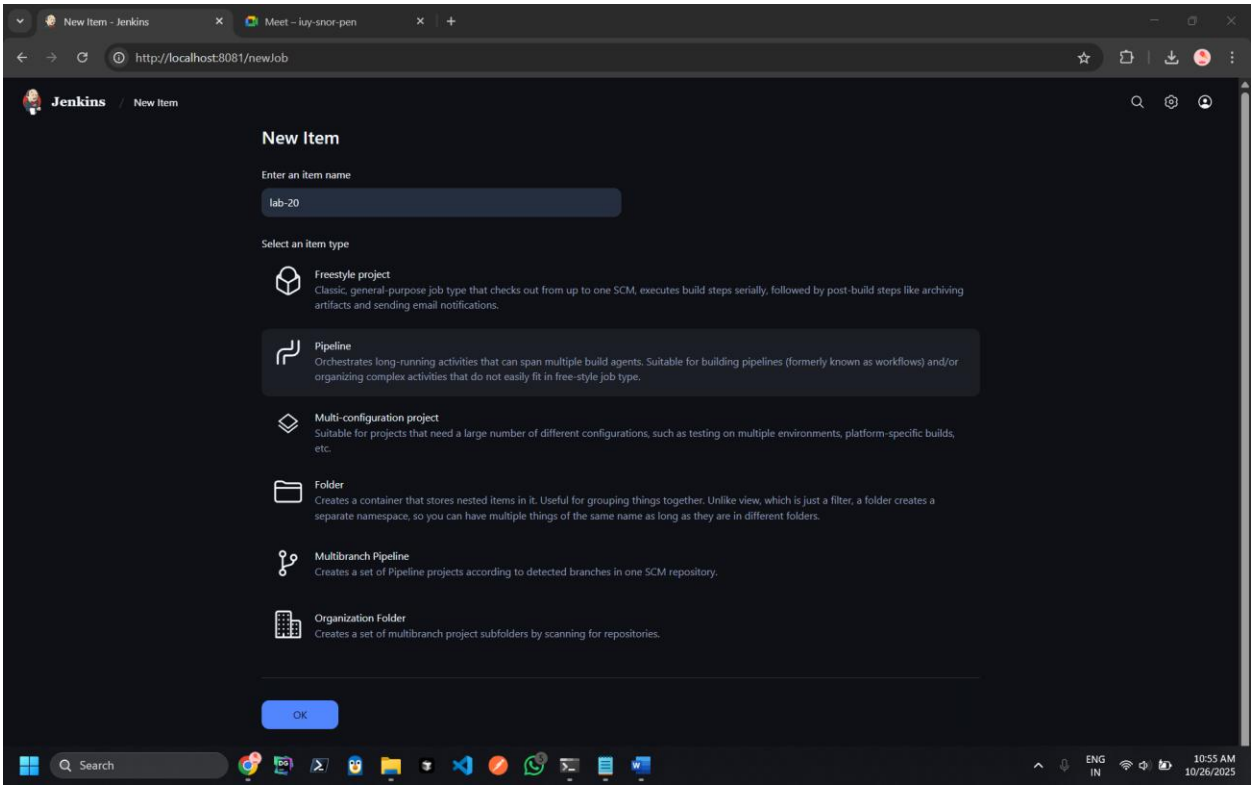


Note: The credentials for accessing Jenkins in the lab are Username: **admin** and Password: **admin**.

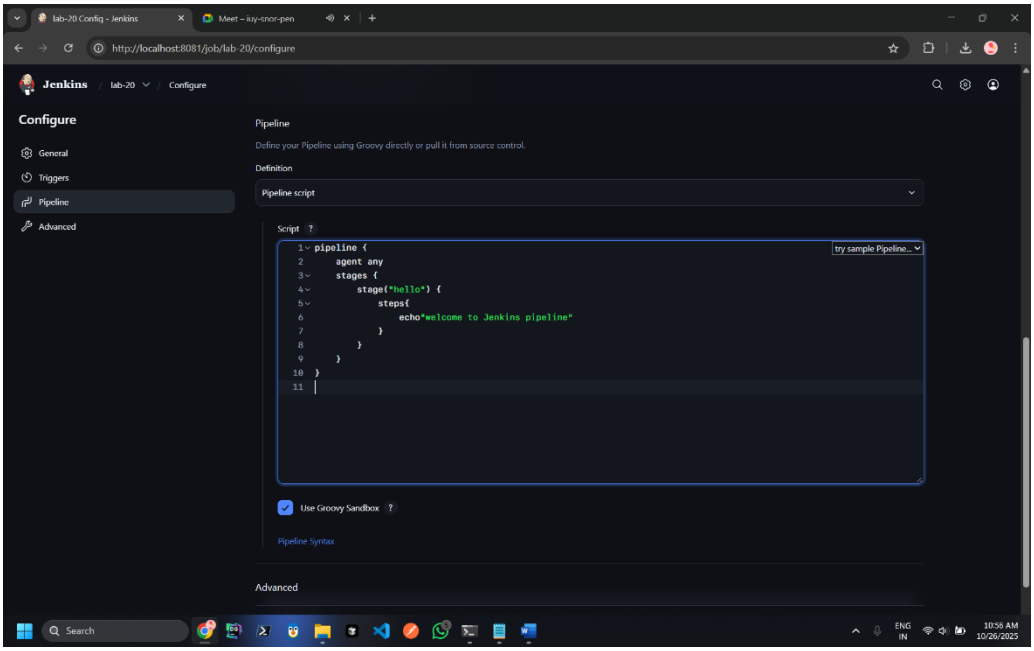
1.2 Click on the **New Item** option as shown in the screenshot below:



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



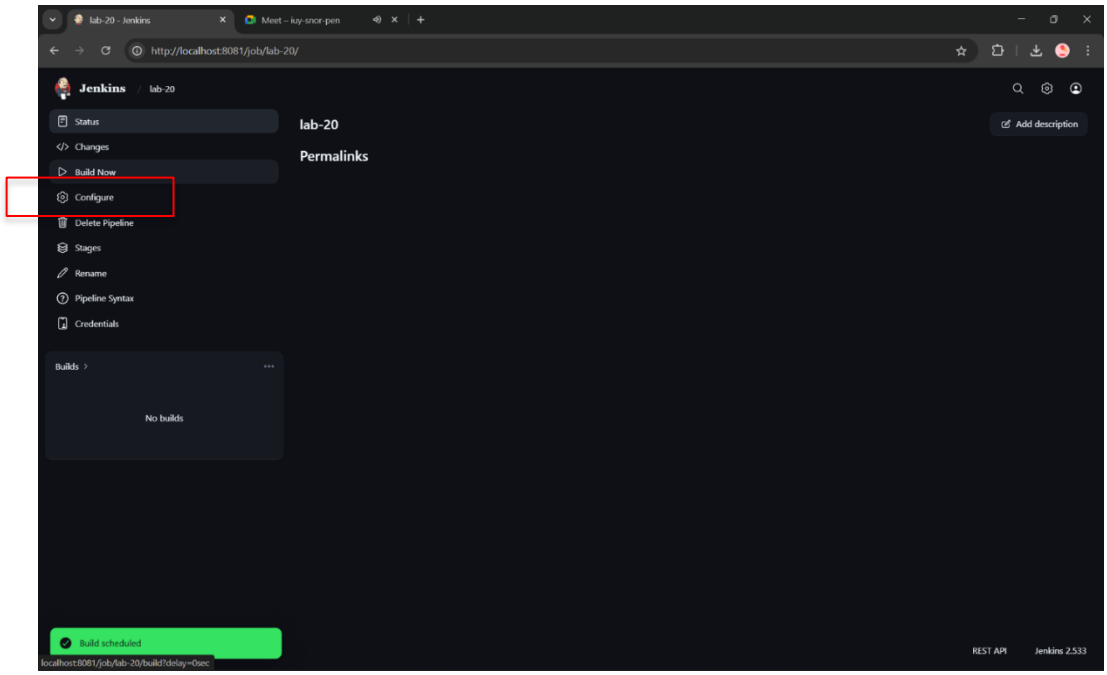
1.4 Click on **Pipeline** as shown in the screenshot below:



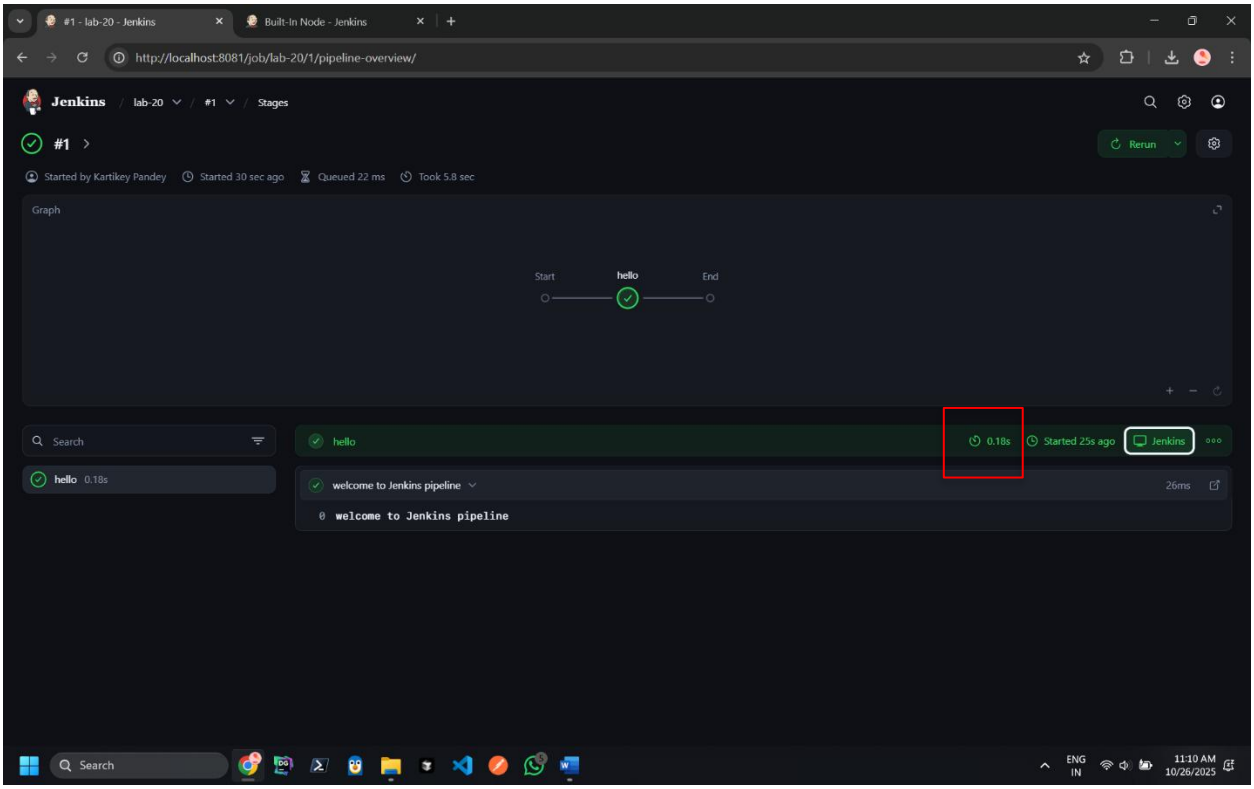
1.5 Enter the following pipeline script in the script editor and click on **Save** as shown in the screenshot below:

```
pipeline {
   agent any
   stages {
      stage("hello") {
         steps{
            echo"welcome to Jenkins pipeline"
         }
      }
   }
}
```

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

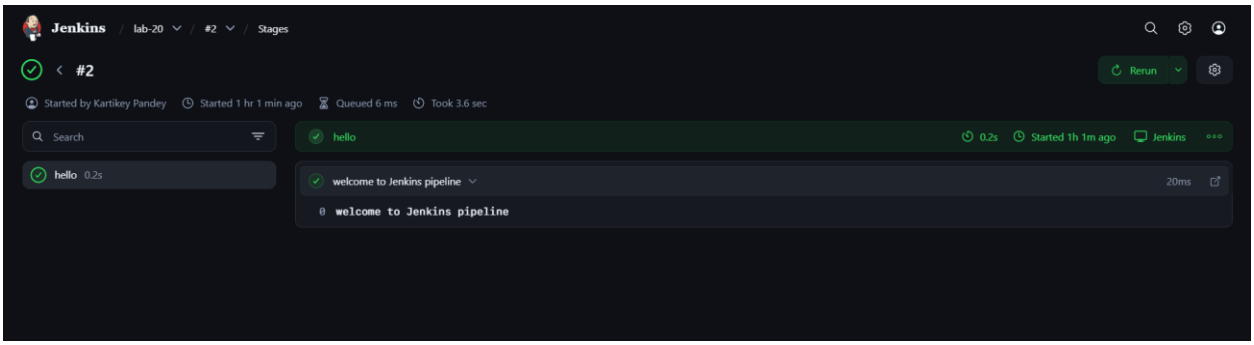


1.7 Hover over the milliseconds number next to the build stage name as shown in the screenshot below:

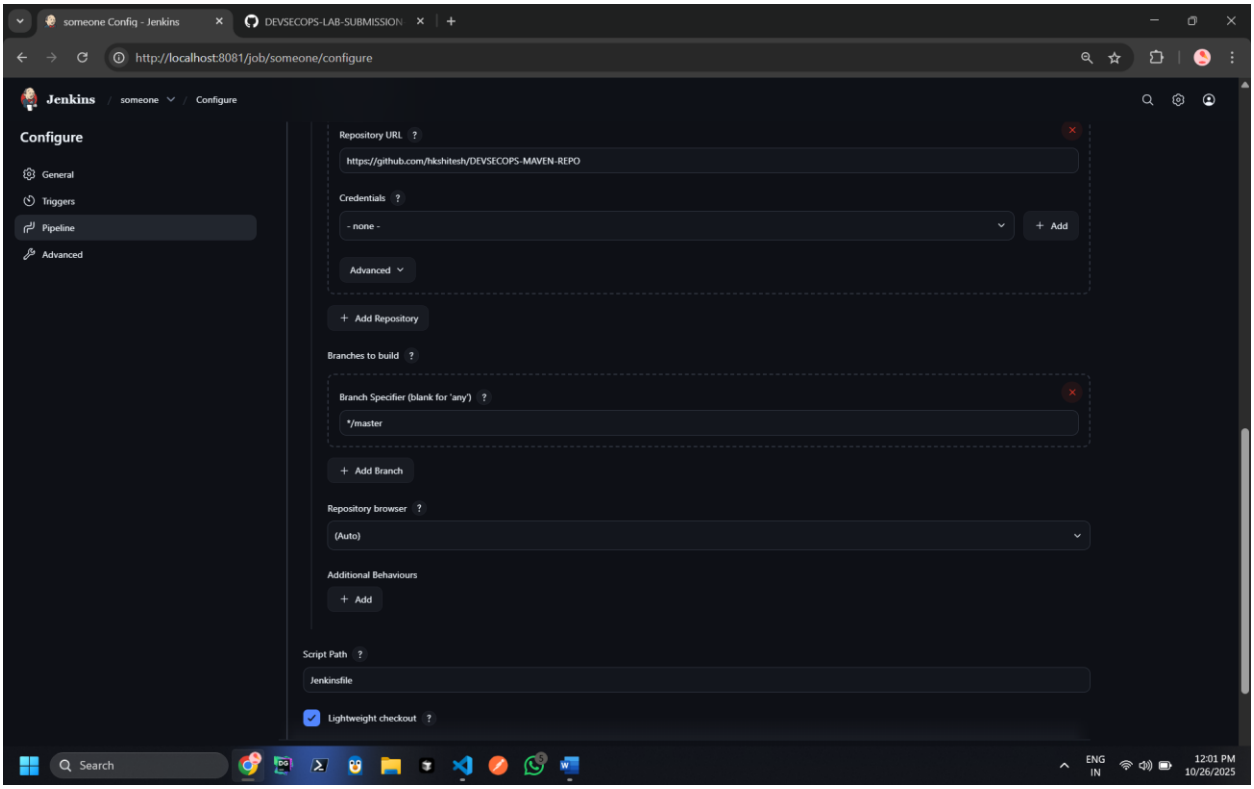


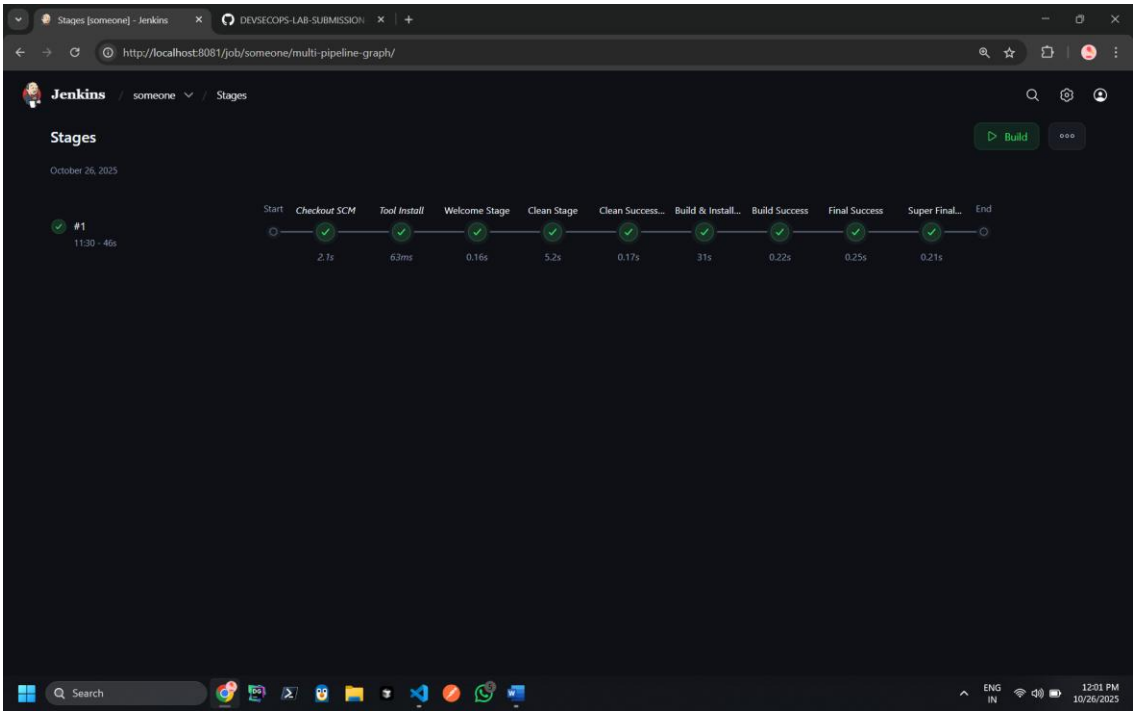
Note: Ensure that you hover the cursor over the milliseconds number without clicking on it

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

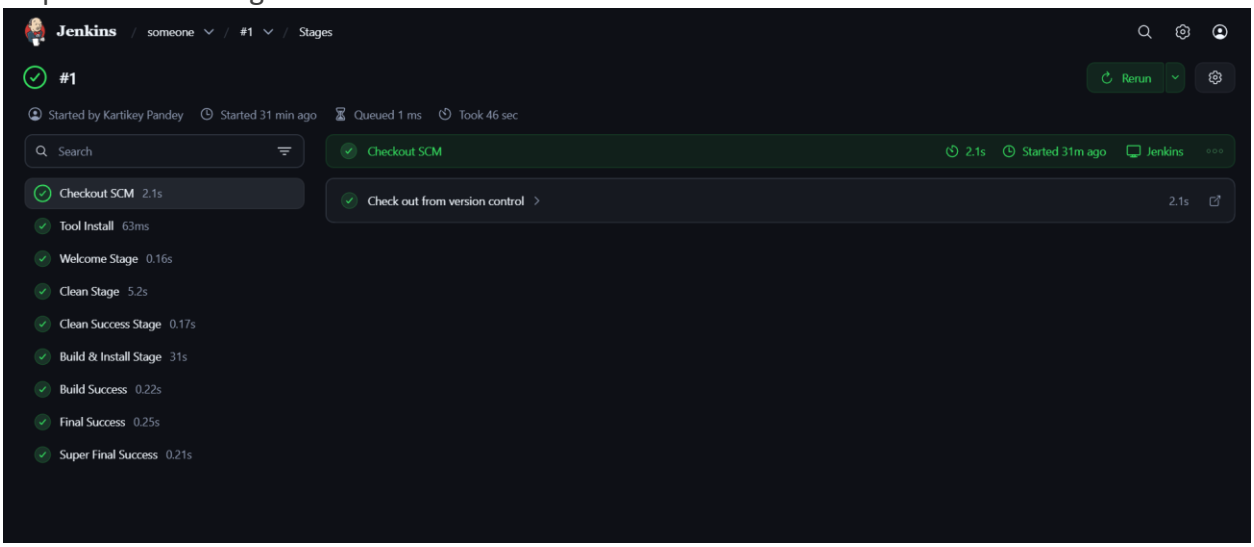


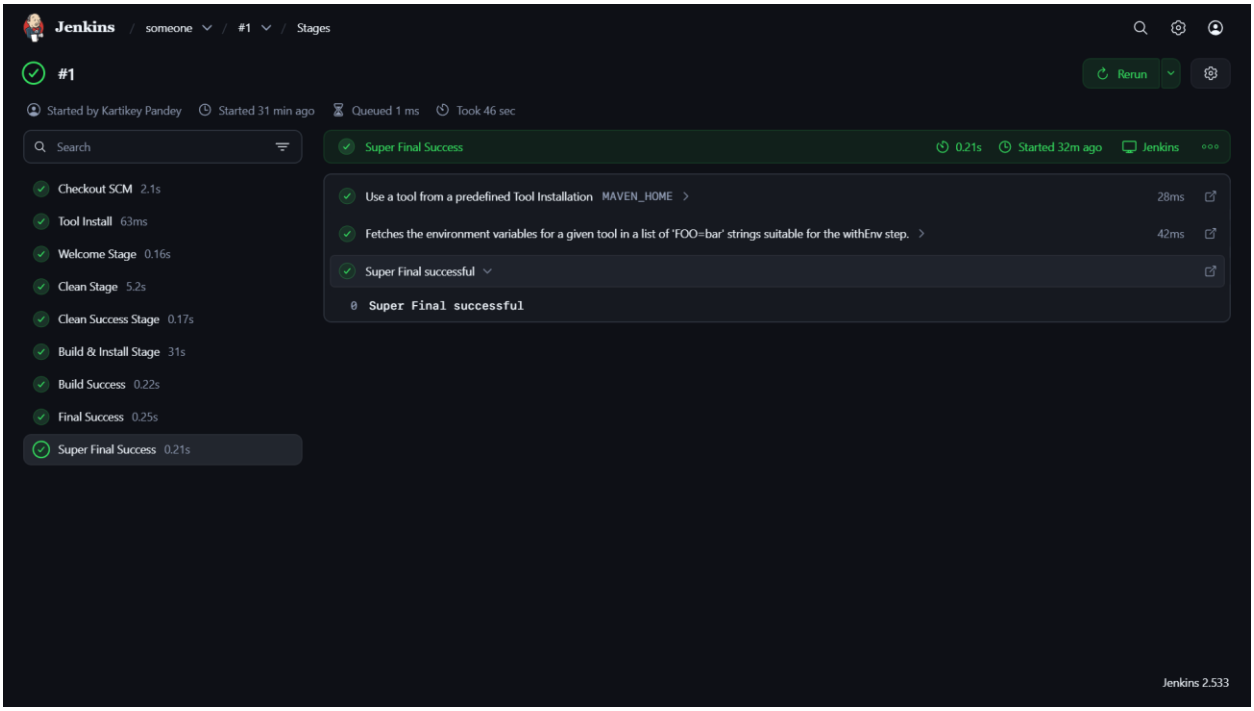
Now we have to do it with pipeline script with scm


someone Config - Jenkins
DEVSECOPS-LAB-SUBMISSION
http://localhost:8081/job/someone/configure
Jenkins
someone
Configure
Configure
General
Triggers
Pipeline
Advanced
Repository URL
https://github.com/hkshitesh/DEVSECOPS-MAVEN-REPO
Credentials
- none -
Add
Advanced
Add Repository
Branches to build
Branch Specifier (blank for 'any')
*/master
Add Branch
Repository browser
(Auto)
Additional Behaviours
Add
Script Path
Jenkinsfile
Lightweight checkout
Search
ENG
IN
12:01 PM
10/26/2025


Stages [someone] - Jenkins
DEVSECOPS-LAB-SUBMISSION
http://localhost:8081/job/someone/multi-pipeline-graph/
Jenkins
someone
Stages
Stages
Build
October 26, 2025
#1
11:30 - 46s
Start
Checkout SCM
Tool Install
Welcome Stage
Clean Stage
Clean Success...
Build & Install...
Build Success
Final Success
Super Final...
End
2.1s
63ms
0.16s
5.2s
0.17s
31s
0.22s
0.25s
0.21s
Search
ENG
IN
12:01 PM
10/26/2025

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





Thank You