Lab Exercise 20

Creating a Pipeline Script

PART 2

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Batch: Devops B1

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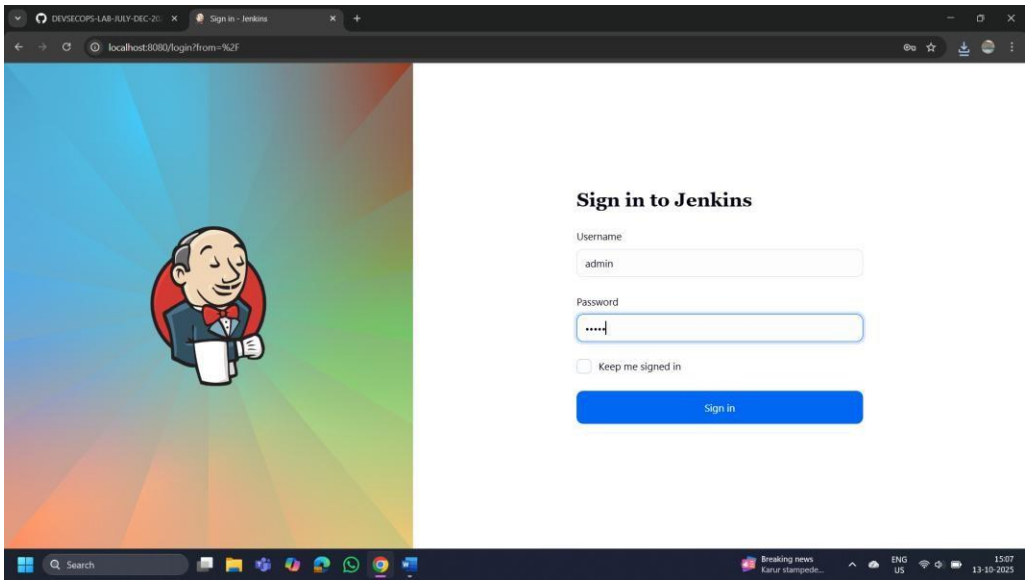
Objective: To create a pipeline script for automating build processes in Jenkins
Tools required: Jenkins
Prerequisites: None

Steps to be followed:

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

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

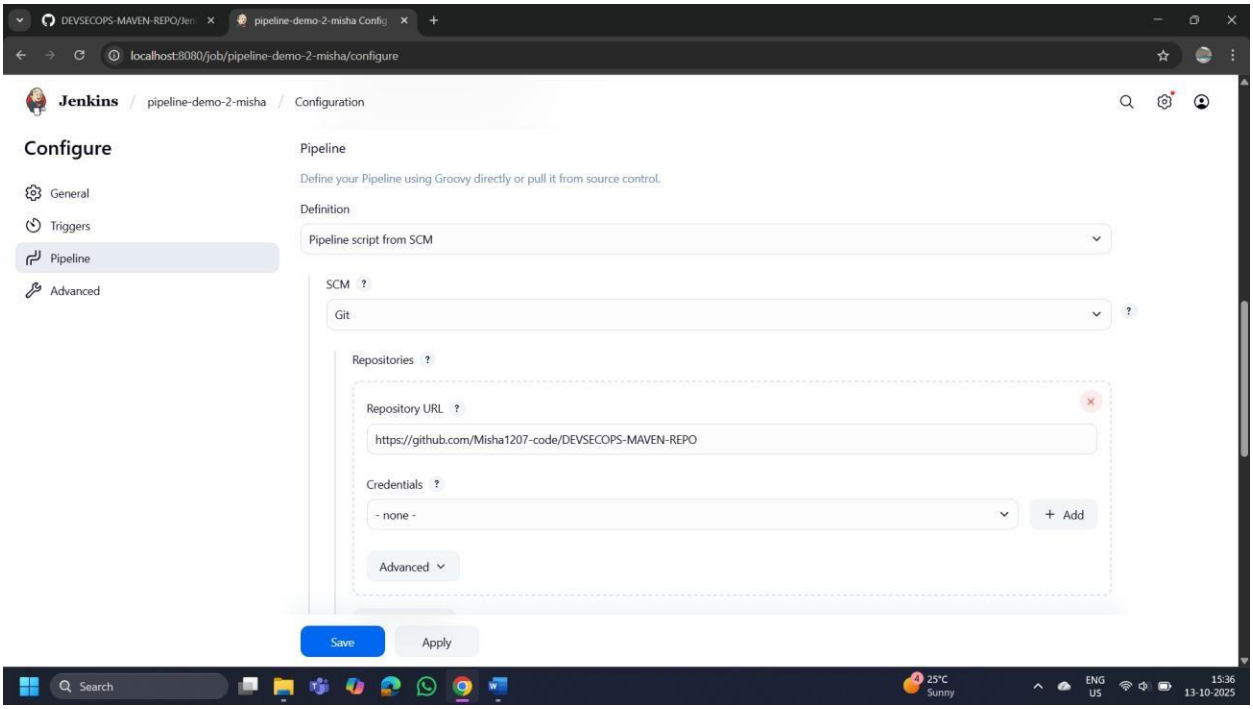
1.1 **Open the browser, go to the Jenkins Dashboard by typing localhost:8080 in your browser, provide the credentials, and click the Sign in button**


DEVSECOPS-LAB-JULY-DEC-2
Sign in - Jenkins
localhost:8080/login?from=%2F
Sign in to Jenkins
Username
admin
Password
Keep me signed in
Sign in
Search
Breaking news
Karur stampede...
ENG
US
15:07
13-10-2025

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

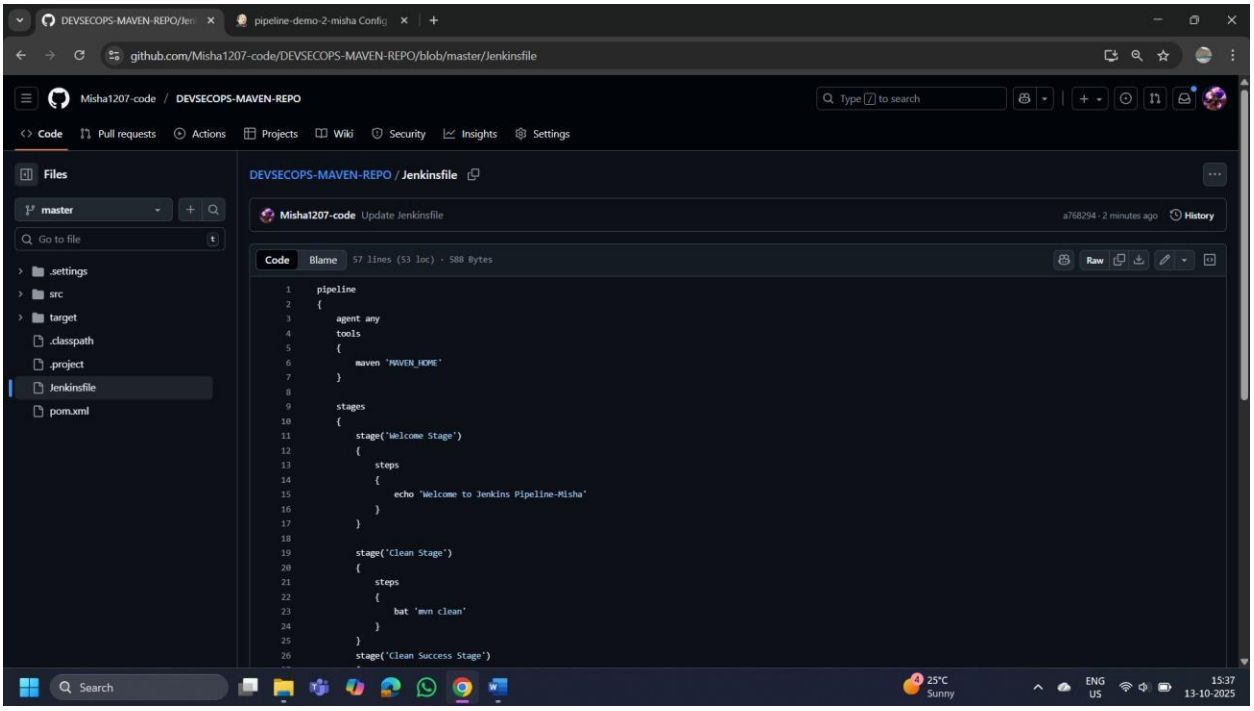
1.3 **Enter a desired name for the project, select Pipeline, and then click on OK as shown in the screenshot below:**

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

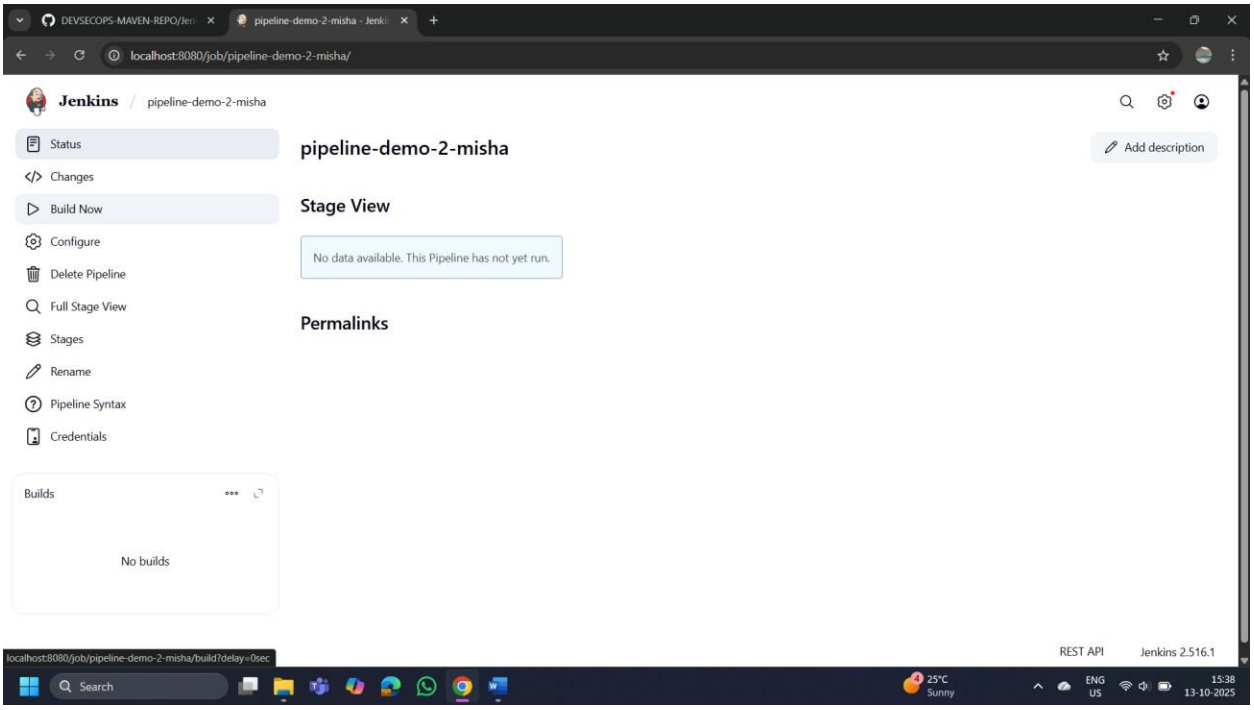


1.5 **Enter the following pipeline script in the script editor and click on Save as shown in the screenshot below:**

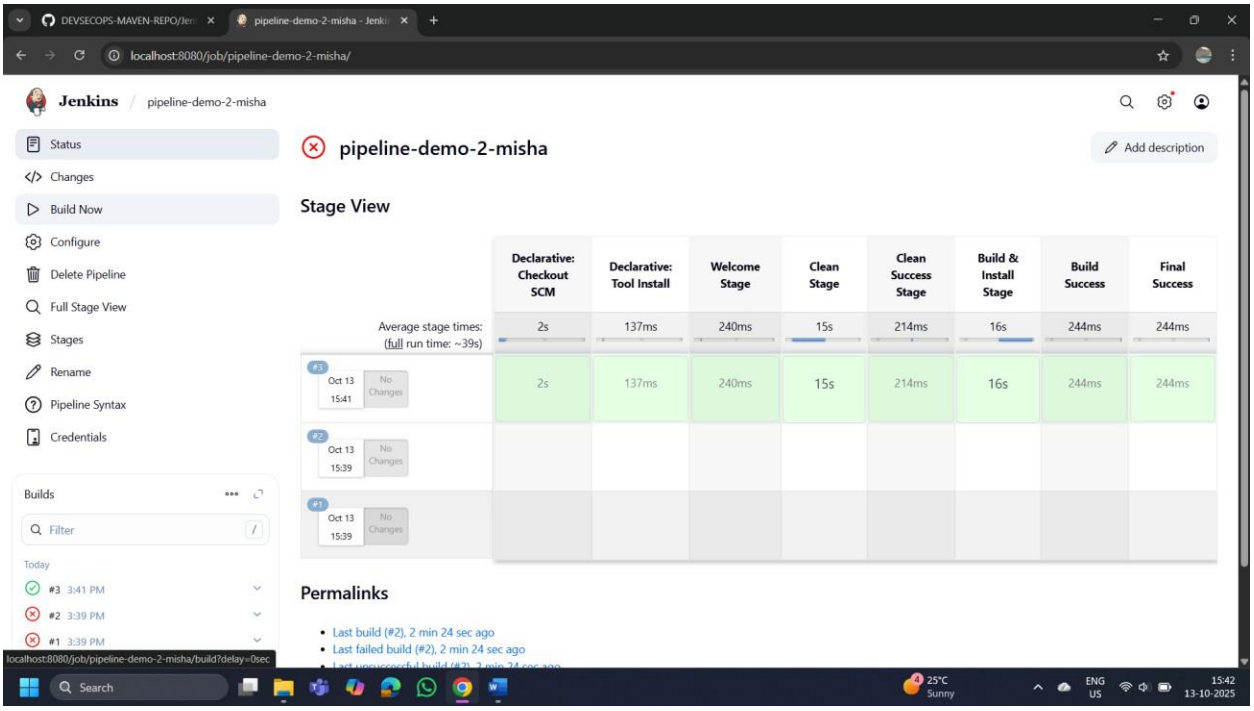
```
pipeline
  { agent
  any
  stages
  {
    stage("hello") {
      steps{
        echo"welcome to Jenkins pipeline"
      }
    }
  }
}
```



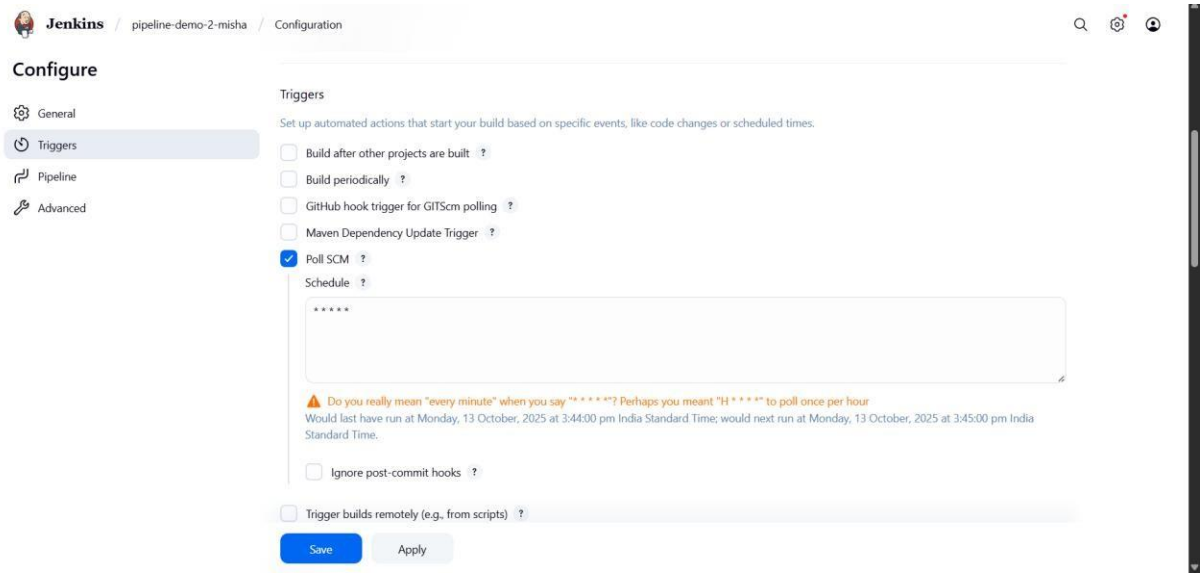
1.6 **Click on Build Now to run the pipeline script as shown in the screenshot below:**

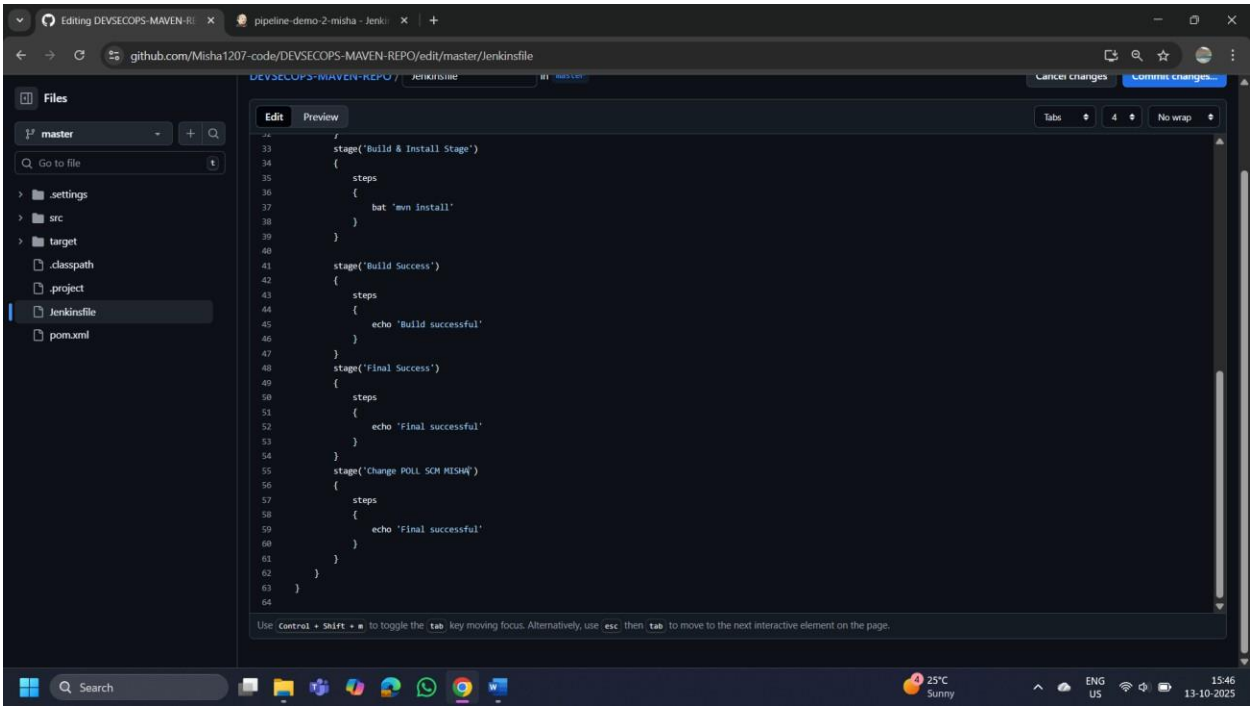


1.7 **Hover over the milliseconds number next to the build stage name as shown in the screenshot below:**

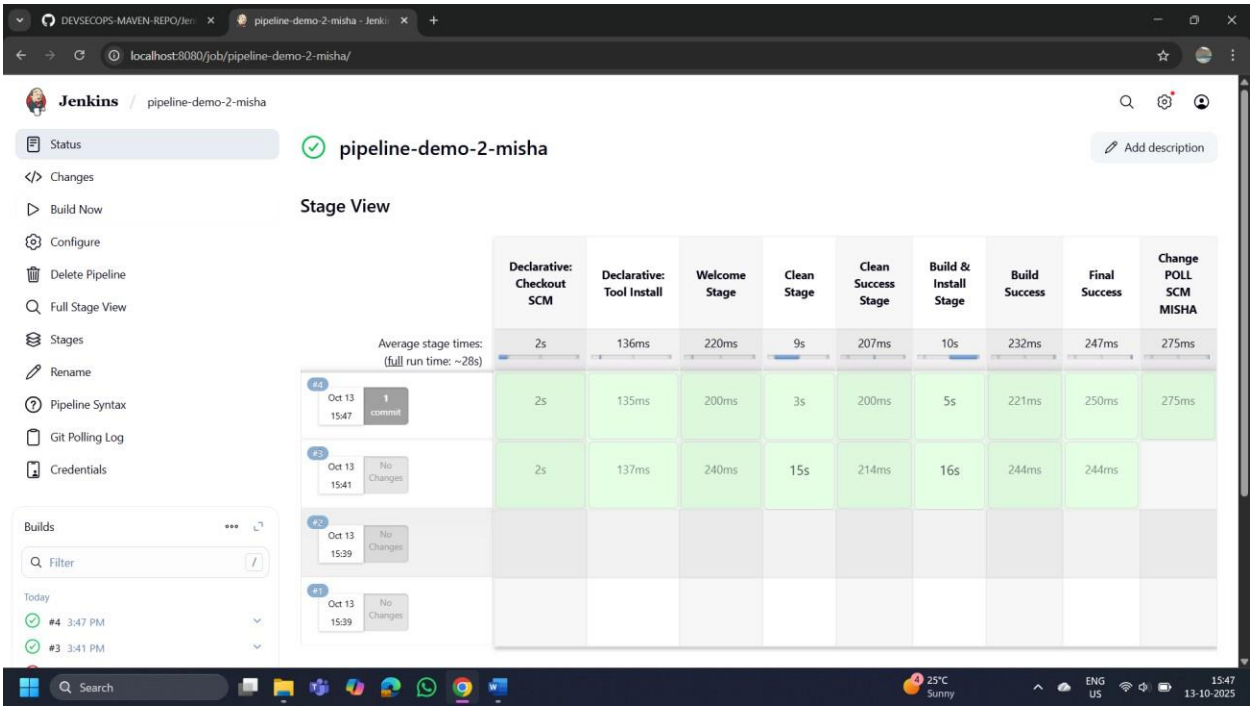


After using POLL SCM method-


Jenkins / pipeline-demo-2-misha / Configuration
Configure
General
Triggers
Pipeline
Advanced
Triggers
Set up automated actions that start your build based on specific events, like code changes or scheduled times.
Build after other projects are built
Build periodically
GitHub hook trigger for GITScm polling
Maven Dependency Update Trigger
Poll SCM
Schedule
* * * * *
Do you really mean "every minute" when you say "* * * * *"? Perhaps you meant "H * * * *" to poll once per hour
Would last have run at Monday, 13 October, 2025 at 3:44:00 pm India Standard Time; would next run at Monday, 13 October, 2025 at 3:45:00 pm India Standard Time.
Ignore post-commit hooks
Trigger builds remotely (e.g., from scripts)
Save
Apply



Final added build stage-



Now we have created a new Jenkins build stage without making hardcoding changes in Jenkins- making changes in Github repo and it will automatically reflect new added stages in the next build scheduled.