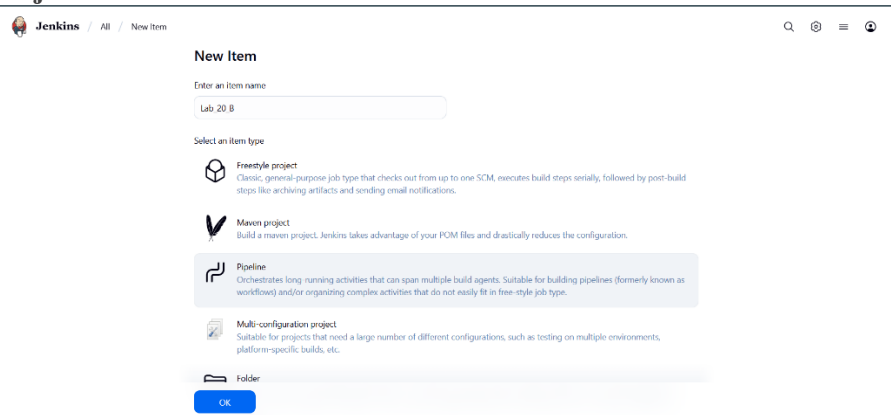


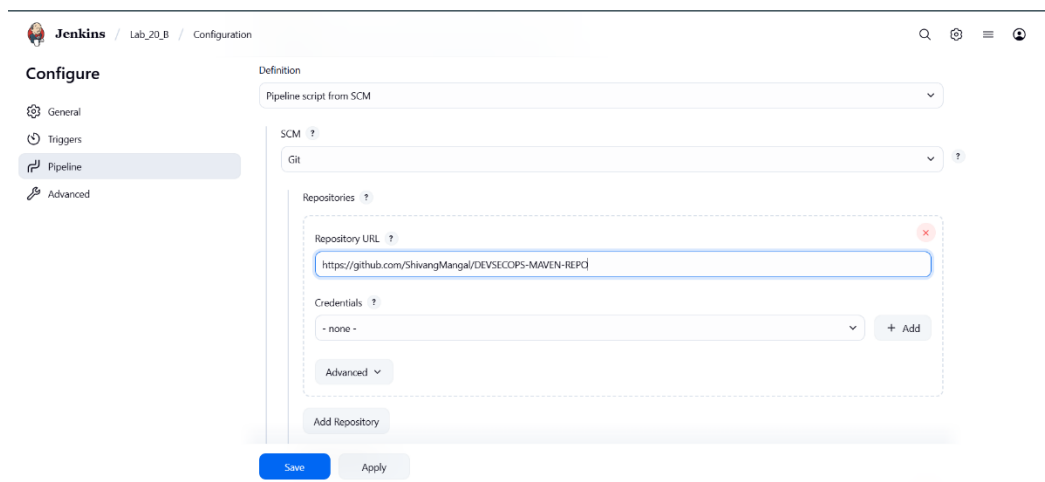
Lab Exercise 20 -B

Creating Jenkins Pipeline through Github Project

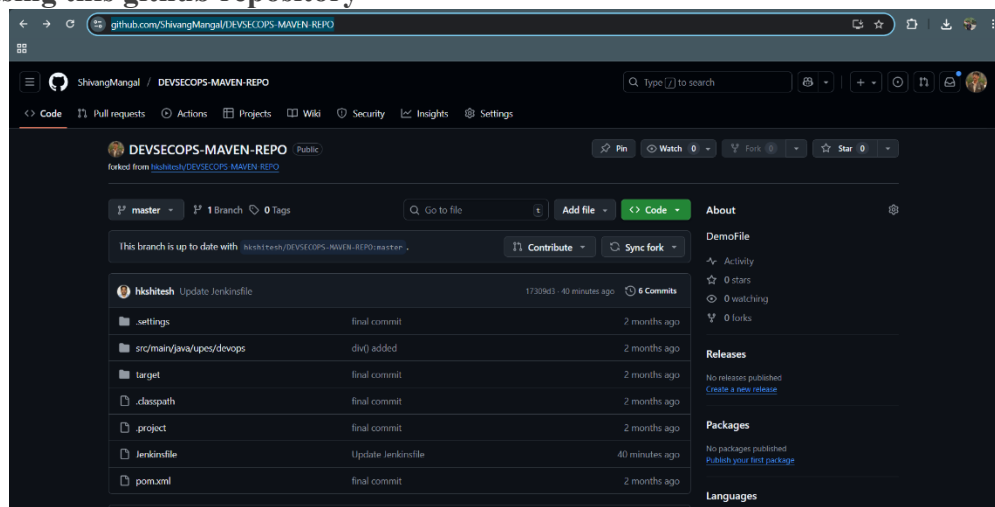
1) Create a new job



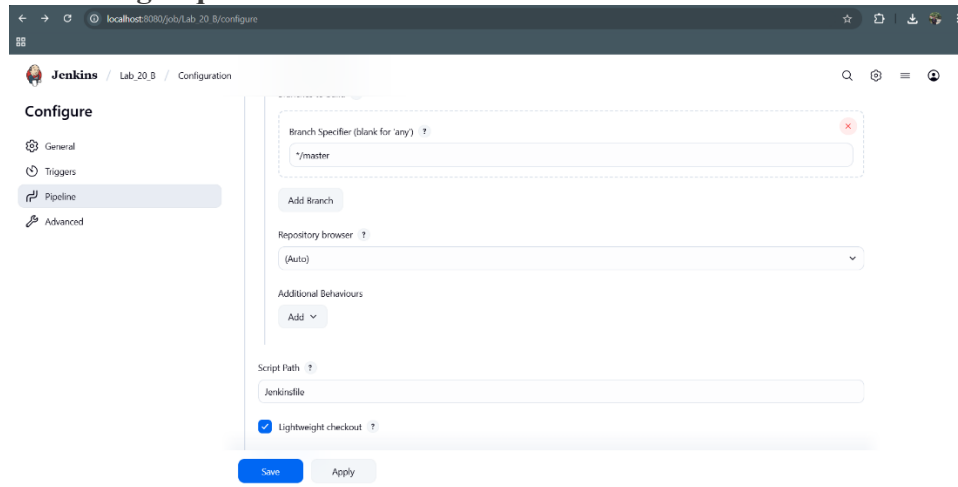
2) Select “Pipeline Script from SCM” and add the github repository url



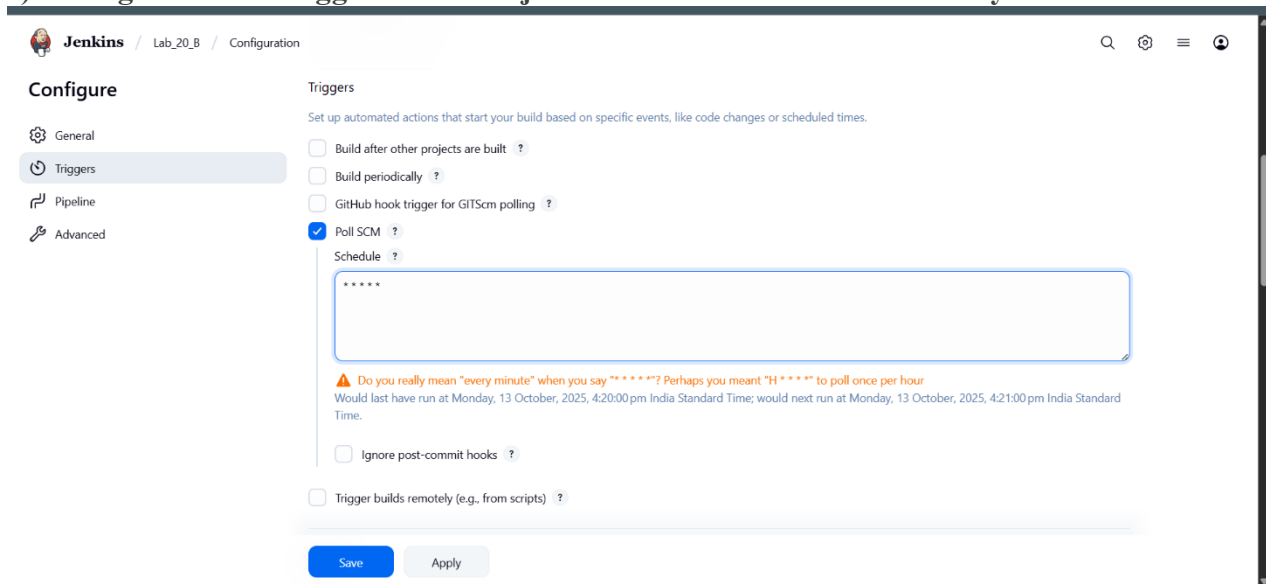
3) I am using this github repository



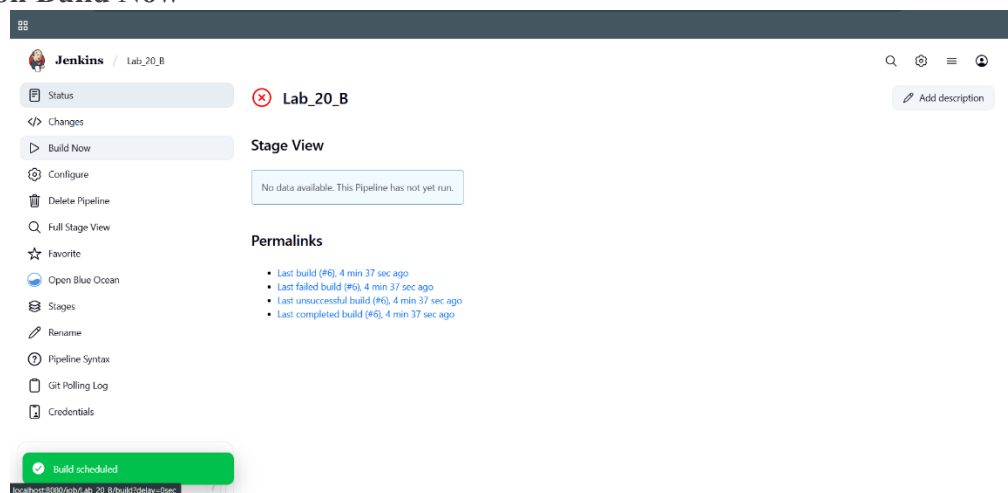
4) Add the remaining required information



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



6) Click on Build Now



The screenshot displays the Jenkins web interface for a job named "Lab_20_B". The left sidebar contains navigation links: Status, Changes, Build Now, Configure, Delete Pipeline, Full Stage View, Favorite, Open Blue Ocean, Stages, Rename, Pipeline Syntax, Git Polling Log, and Credentials.

Stage View

	Declarative: Checkout SCM	Declarative: Tool Install	Welcome Stage	Clean Stage	Clean Success Stage	Build & Install Stage	Build Success	Final Success	Super Final Success
Average stage times: (full run time: ~12s)	1s	85ms	148ms	2s	138ms	4s	267ms	238ms	155ms
#11 Oct 13 16:25 No Changes	1s	85ms	148ms	2s	138ms	4s	267ms	238ms	155ms
#6 Oct 13 16:20 No Changes									
#5 Oct 13 16:20 No Changes									


Stage Logs (Super Final Success)

- Use a tool from a predefined Tool Installation -- MAVEN_HOME (self time 18ms)
- Fetches the environment variables for a given tool in a list of 'FOO=bar' strings suitable for the withEnv step. (self time 27ms)
- Print Message -- Super Final successful (self time 6ms)

Full Stage View

	Declarative: Checkout SCM	Declarative: Tool Install	Welcome Stage	Clean Stage	Clean Success Stage	Build & Install Stage	Build Success	Final Success	Super Final Success
Average stage times: (full run time: ~12s)	1s	85ms	148ms	2s	138ms	4s	267ms	238ms	155ms
#11 Oct 13 16:25 No Changes	1s	85ms	148ms	2s	138ms	4s	267ms	238ms	155ms
#6 Oct 13 16:20 No Changes									
#5 Oct 13 16:20 No Changes									
#4 Oct 13 16:20 No Changes									

The bottom status bar shows system information: Gold +1.55%, Search, taskbar icons, ENG IN, and date/time 16:26 13-10-2025.

 **Jenkins**

Lab_20_B / #11

Status

</> Changes

Console Output

Edit Build Information

Delete build '#11'

Timings

Git Build Data

Open Blue Ocean

Pipeline Overview

Restart from Stage

Replay

Pipeline Steps

Workspaces

Previous Build

🟢 Console Output

Download

Copy

View as plain text

Started by user Shivang Mangal

Obtained Jenkinsfile from git <https://github.com/ShivangMangal/DEVSECOPS-MAVEN-REPO>

[Pipeline] Start of Pipeline

[Pipeline] node

Running on Jenkins in C:\ProgramData\Jenkins\jenkins\workspace\Lab_20_B

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Declarative: Checkout SCM)

[Pipeline] checkout (hide)

Selected Git installation does not exist. Using Default

The recommended git tool is: NONE

No credentials specified

> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\jenkins\workspace\Lab_20_B\.git # timeout=10

Fetching changes from the remote Git repository

> git.exe config remote.origin.url <https://github.com/ShivangMangal/DEVSECOPS-MAVEN-REPO> # timeout=10

Fetching upstream changes from <https://github.com/ShivangMangal/DEVSECOPS-MAVEN-REPO>

> git.exe --version # timeout=10


> git --version # 'git version 2.47.1.windows.1'

> git.exe fetch --tags --force --progress -- <https://github.com/ShivangMangal/DEVSECOPS-MAVEN-REPO> +refs/heads/*:refs/remotes/origin/* # timeout=10

> git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10

Checking out Revision 17309d39f56dc8c506cba660dec9d5cba2058739 (refs/remotes/origin/master)

> git.exe config core.sparsecheckout # timeout=10

 **Jenkins**

Lab_20_B / #11

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Super Final Success)

[Pipeline] tool

[Pipeline] envVarsForTool

[Pipeline] withEnv

[Pipeline] {

[Pipeline] echo

Super Final successful

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] End of Pipeline

Finished: SUCCESS

REST API

Jenkins 2.516.3