

Name: Abinaya B T

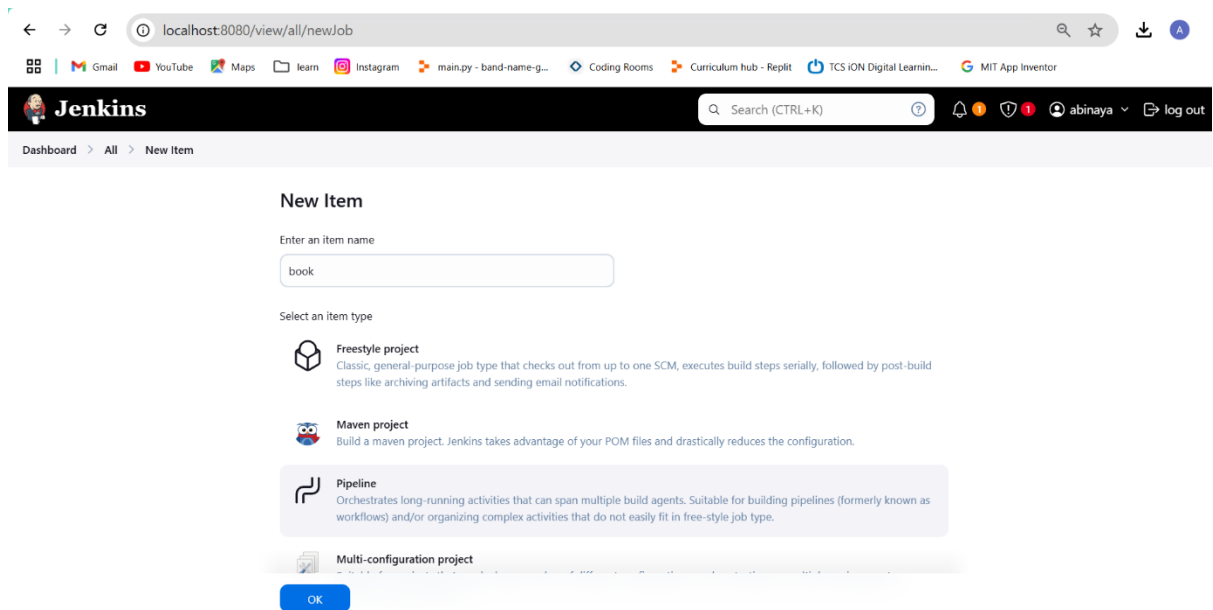
Roll no : 22ISR001

Jenkins Pipeline for Software Automation

A Jenkins Pipeline automates the building, testing, and deployment process, ensuring a streamlined software development workflow.

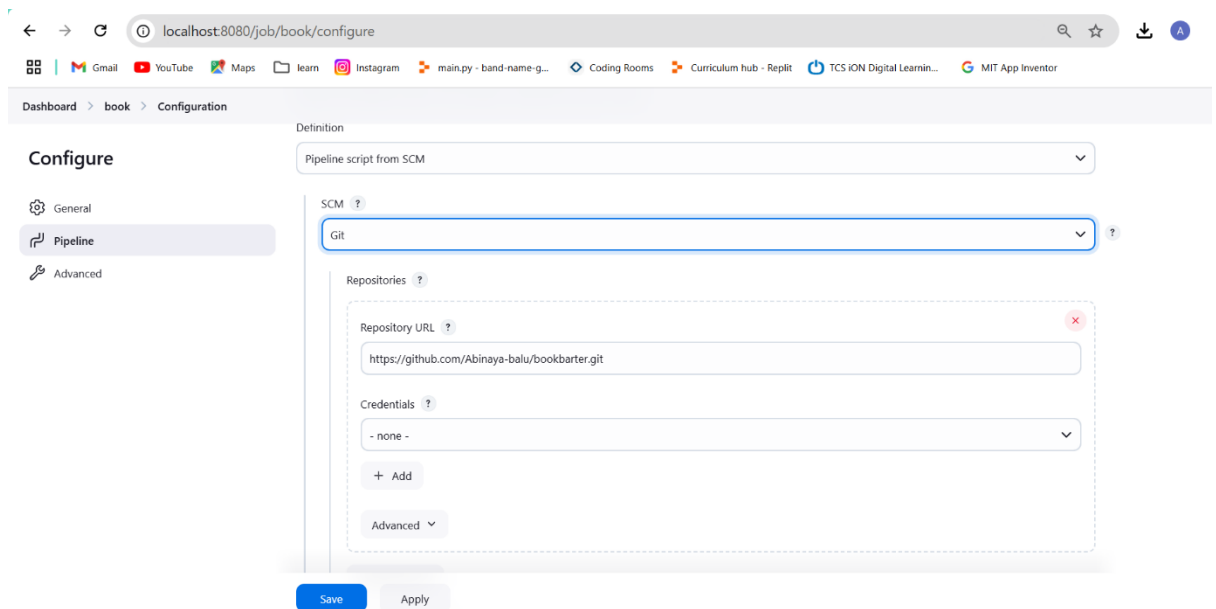
Step 1: Creating Pipeline Project in Jenkins.

- Click "New Item" on the dashboard.
- Enter a suitable name for the pipeline.
- Select "Pipeline" as the project type.
- Click "OK" to continue.



Step 2: Specify the Pipeline Script

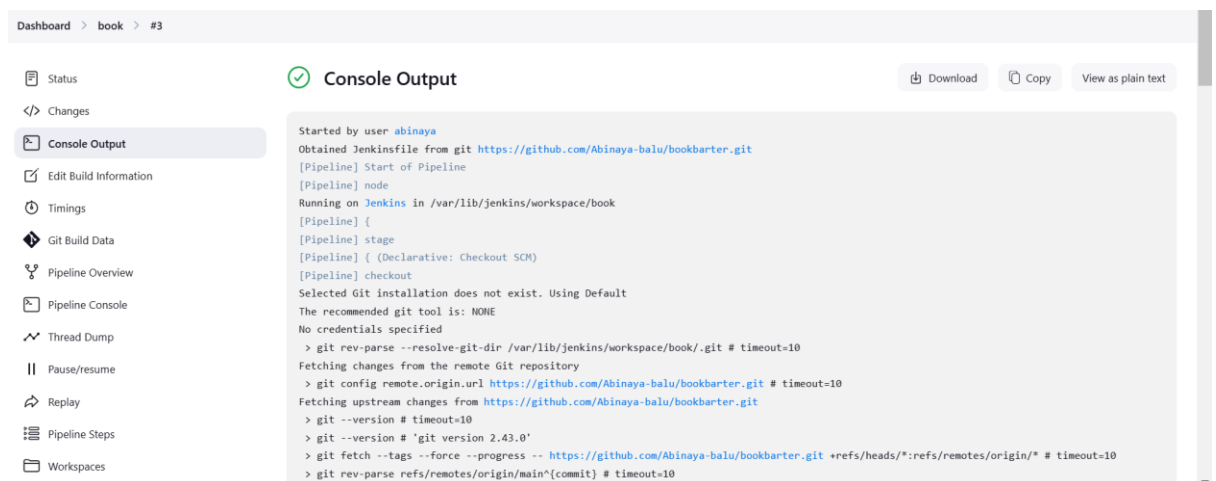
- Define build triggers under the Build Triggers section
- Choose "Pipeline script from SCM" under the Pipeline Definition section.
- Select "Git" as the version control system.
- Enter the repository URL containing the pipeline script.
- Set the script path as Jenkinsfile.



Step 3: Save and Run the Pipeline

- Click "Save" to store the pipeline configuration.
- Click "Build Now" to initiate the pipeline execution.
- Monitor the progress in the Build History section.

```
abinaya@ABINAYA:~$ sudo systemctl start jenkins
[sudo] password for abinaya:
abinaya@ABINAYA:~$ sudo chmod 777 /var/run/docker.sock
[sudo] password for abinaya:
```



Abinaya-balu / bookbarter

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bookbarter Public

main 1 Branch 0 Tags

Go to file

Add file <> Code

Abinaya-balu Update deploy.sh

build Add files via upload

Dockerfile Add files via upload

Jenkinsfile Add files via upload

build.sh Add files via upload

deploy.sh Update deploy.sh

docker-compose.yml Add files via upload

README

Local Codespaces

Clone

HTTPS SSH GitHub CLI

https://github.com/Abinaya-balu/bookbarter.git

Clone using the web URL.

Open with GitHub Desktop

Download ZIP

Step 4: View Output

Dockerhub:

abinayabalusamy/bookbarter

Last pushed 4 minutes ago • Repository size: 68.8 MB

Add a description

Add a category

General Tags Builds Collaborators Webhooks Settings

Tags

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
latest		Image	4 minutes ago	4 minutes ago

See all

Docker commands

To push a new tag to this repository:

```
docker push abinayabalusamy/bookbarter:tagname
```

Automated builds

Manually pushing images to Docker Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. [Read more about automated builds](#).

Upgrade

```
abinaya@ABINAYA:~$ docker run -d -p 8000:80 abinayabalusamy/bookbarter
e51f98bbc3208abc9de692ea3d9dc19eac7833eeae70a97197f9a76fd81305d5
```

<http://localhost:8000/>

