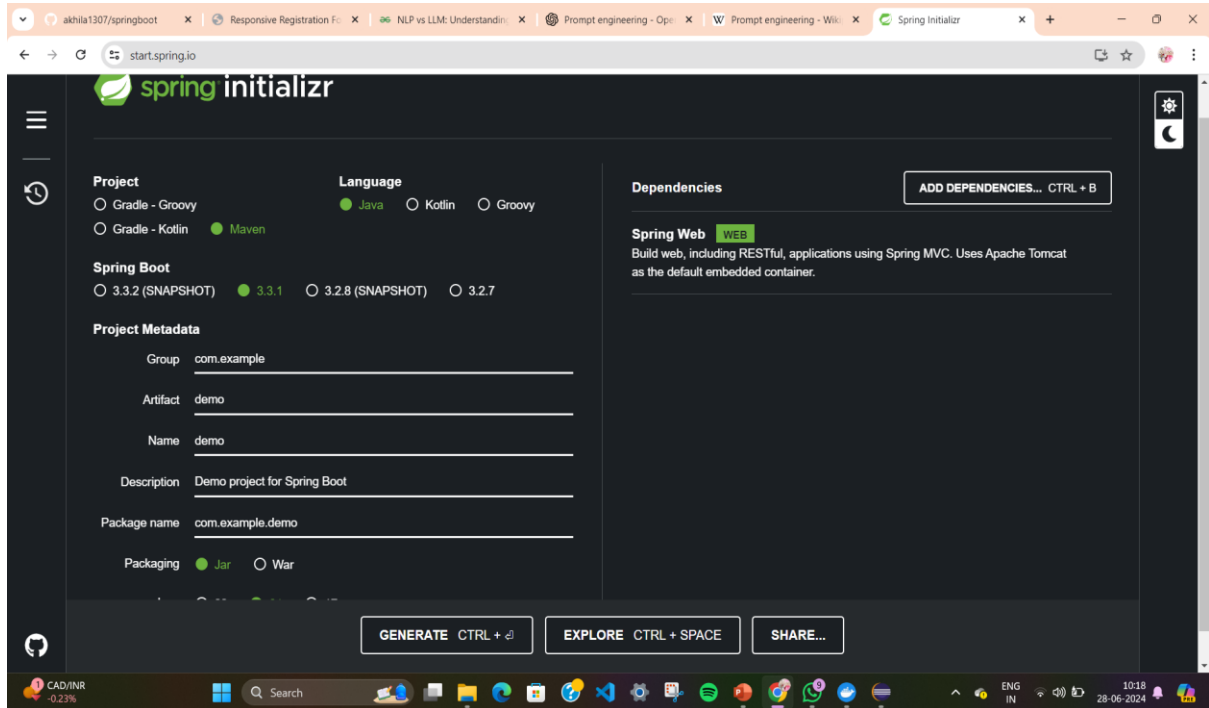


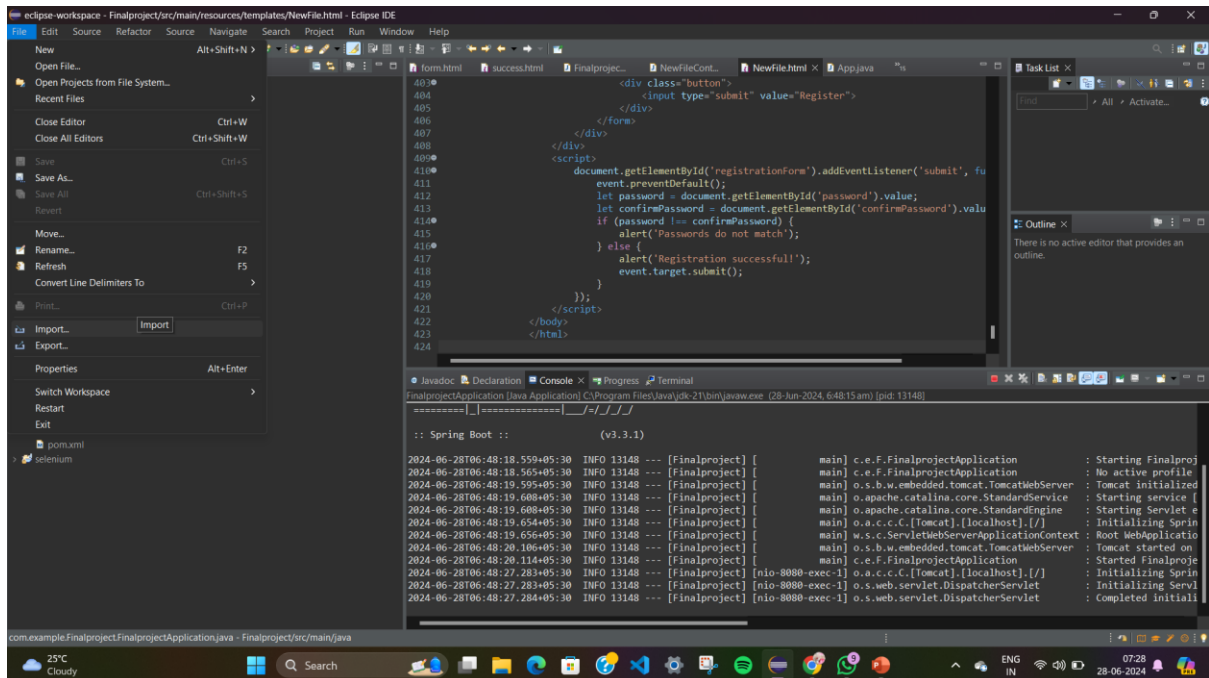
Project Statement 1:

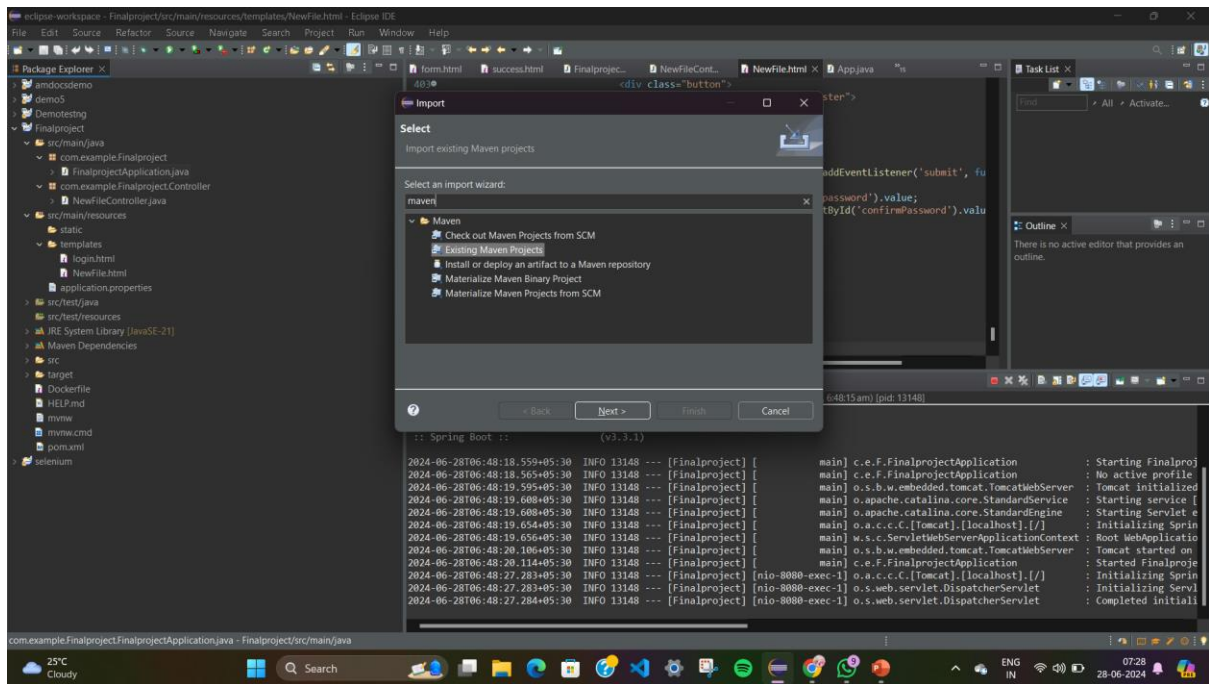
Develop a Java project, generate a Docker image, upload it to Docker Hub, and configure a CI/CD pipeline using Jenkins.

1. we need to download spring initializer.

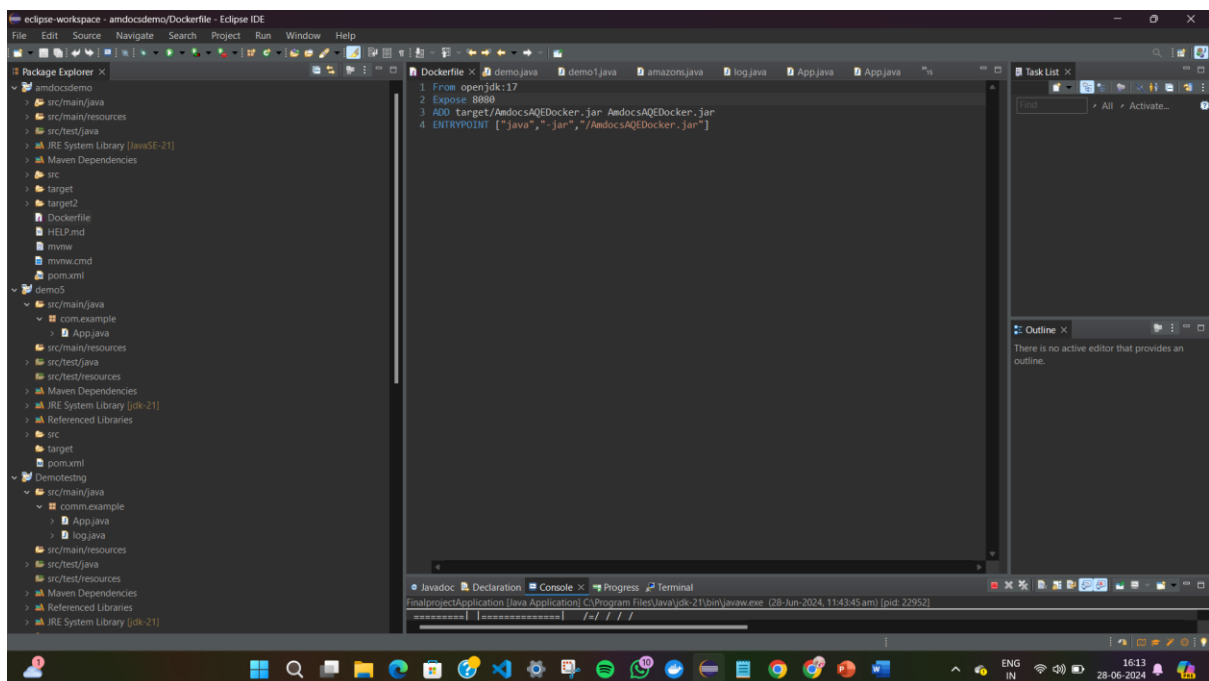


2. Need to start eclipse and import maven existing project





3. Need to update pom.xml and write the required code into the respective files and create dockerfile.



4. After updating all files we have to run the project after running the project it will shown as below.

The screenshot shows a web browser window with the address bar displaying 'localhost:8080/newfile'. The page features a registration form titled 'Registration' with the following fields:

- Full Name: Enter your name
- Username: Enter your username
- Email: Enter your email
- Phone Number: Enter your number
- Password: Enter your password
- Confirm Password: Confirm your password
- Gender: ☐ Male ☐ Female

A blue 'Register' button is located at the bottom of the form. The background of the page is a dark blue network diagram.

After click on register button the following page is displayed

The screenshot shows the same web browser window after clicking the 'Register' button. A dark brown toast notification appears at the top with the text 'localhost:8080 says Registration successful!' and an 'OK' button. The registration form is now filled with the following data:

- Full Name: AKULA Akhila
- Username: Akhila
- Email: akula2gmail.com
- Phone Number: 08106611096
- Password: *****
- Confirm Password: *****
- Gender: ☒ Female

The 'Register' button remains at the bottom of the form.

5. Creating docker image and pushing into docker

Commands:

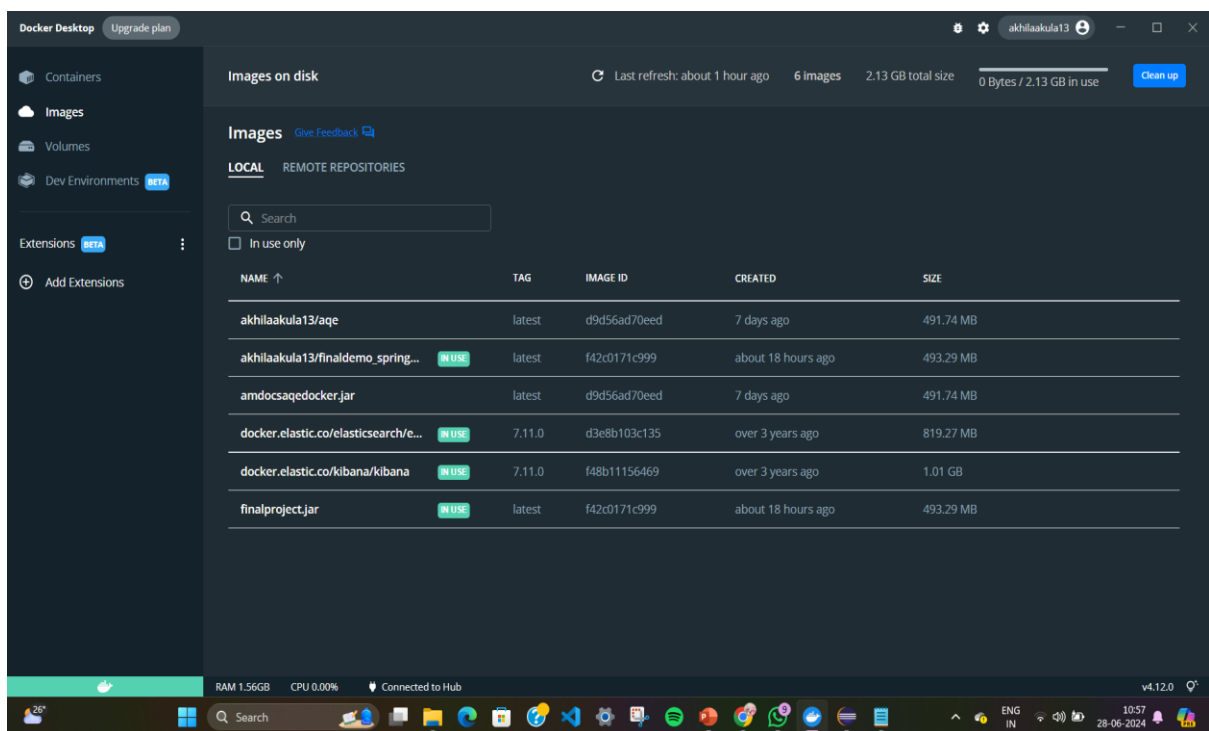
```
docker build -t finalproject.jar .
```

```
docker run -p 9090:8080 finalproject.jar
```

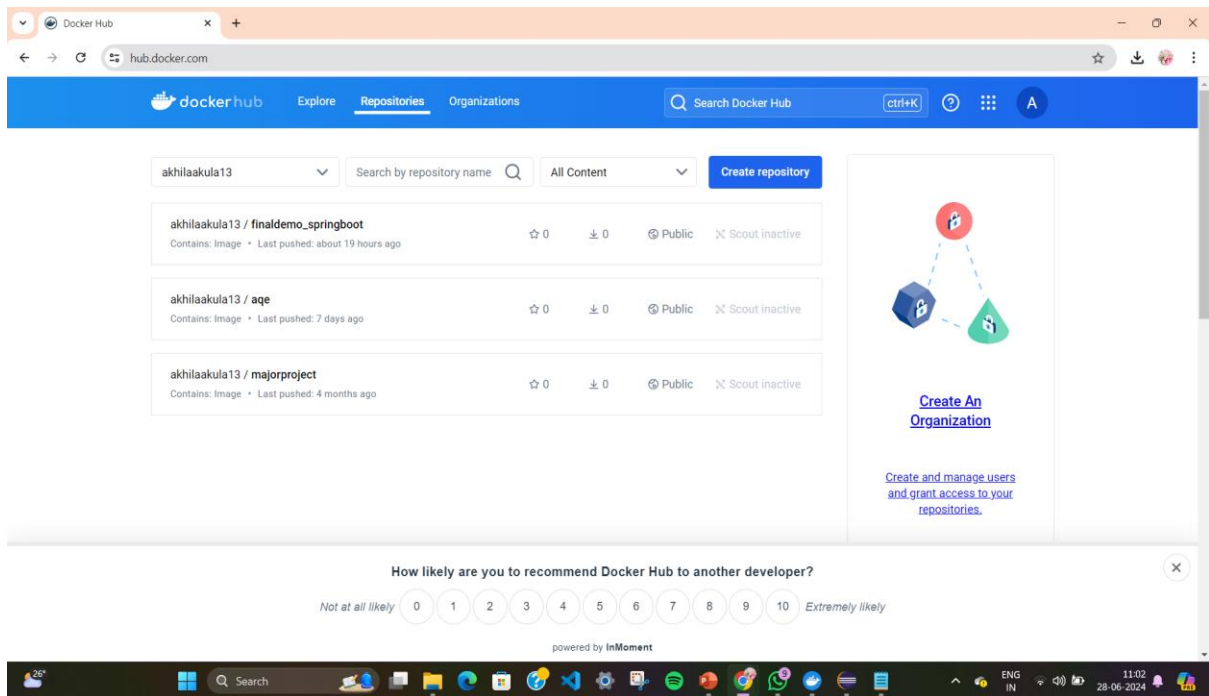
```
docker tag finalproject.jar:latest akhilaakula13/finaldemo_springboot:latest
```

```
docker images
```

```
docker push akhilaakula13/finaldemo_springboot:latest
```

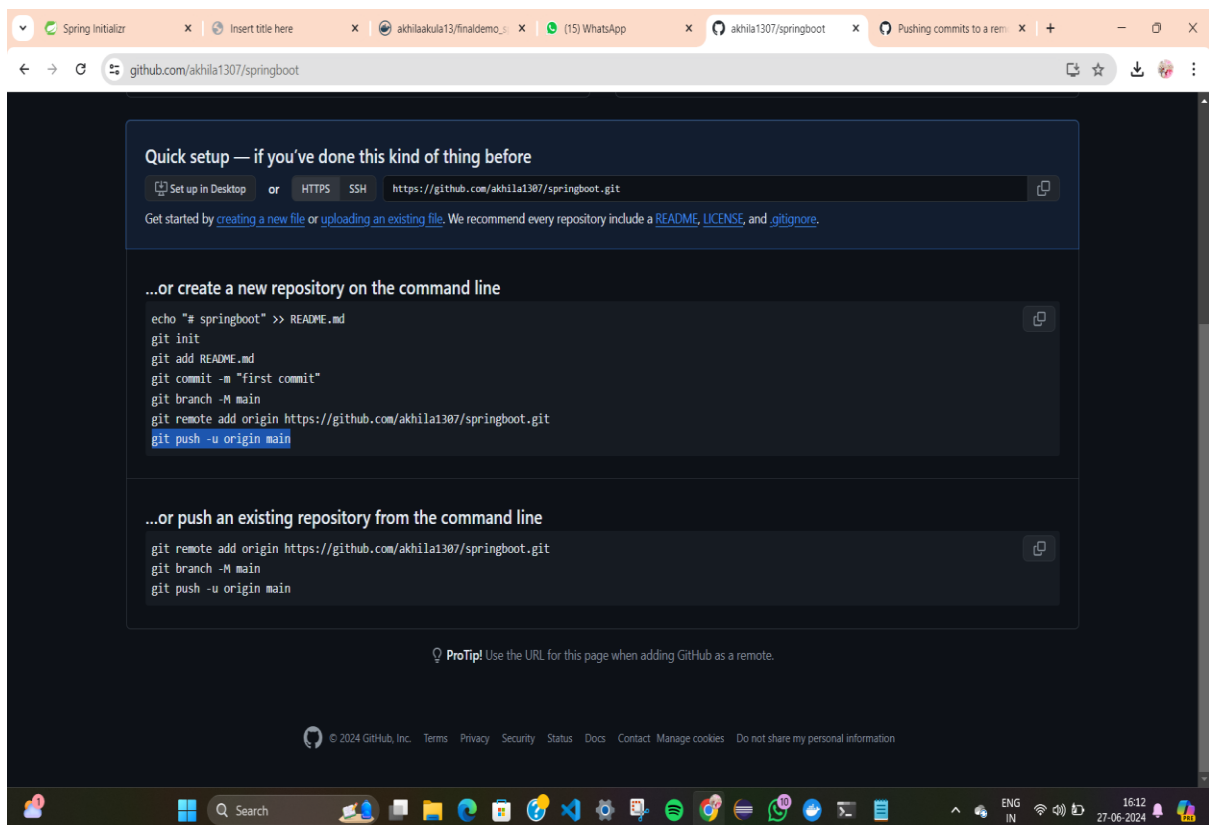


The above picture shows the docker images list in the docker desktop



The above picture shows the docker images list in the docker hub repository

6. Pushing the code into git repository



The picture shows the required commands to push the code into git repository

```
description->git->url->add git url->pool scm->schedule(* * * * *)->Buildsteps-
>top-level-maven->save.
```

Dashboard >
manage Jenkins

My Views

Open Blue Ocean
Lockable Resources

Build Queue (1)

JenkinsDemo2

Build Executor Status

1 Idle
2 Idle

S	W	Name	Last Success	Last Failure	Last Duration	F
		amdcsaqe	2 days 17 hr #2	N/A	4.2 sec	
		cgh	N/A	N/A	N/A	
		CICDPIPLINE	N/A	N/A	N/A	
		FinalDemo	N/A	N/A	N/A	
		finaspringboot	1 hr 5 min #1	N/A	0.63 sec	
		finaspringbootproject	N/A	1 hr 16 min #1	2.4 sec	
		Jenkin_Demo	4 days 0 hr #4	N/A	0.22 sec	
		JenkinDemo2	N/A	31 sec #1738	1.8 sec	
		MedicineProject	16 hr #2	N/A	2.5 sec	
		Project	16 hr #5	16 hr #4	2.9 sec	
		SampleProject	2 days 18 hr #8	N/A	3.1 sec	

Performing selenium automation testing with java on Aijo website.

