**Name :** Aditya Muley **Emp ID :** 206016

**Project : BMI Calculator App**

**Tools/ Technologies Used :** Springboot, Jenkins, Docker

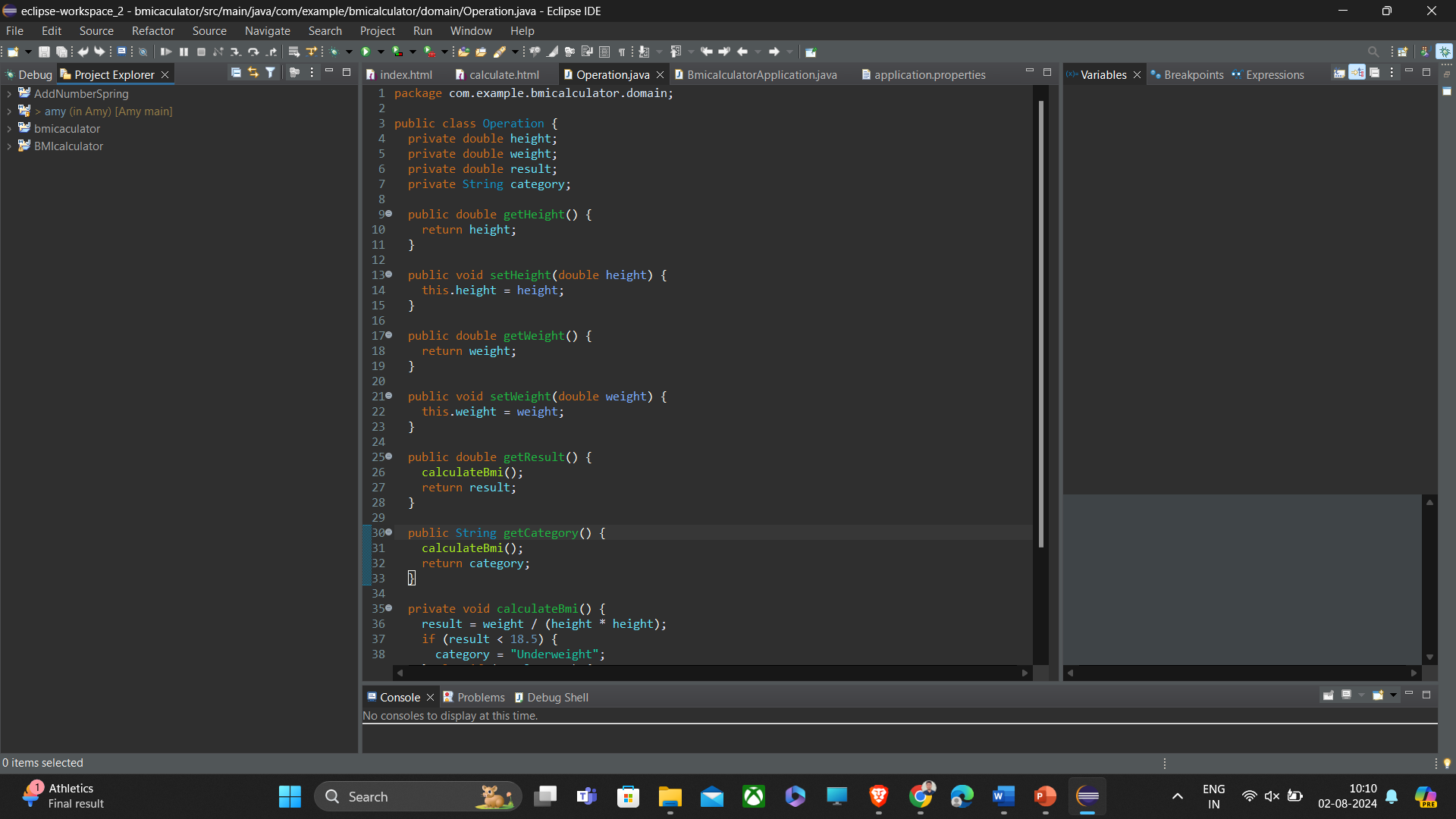
**(A) : Springboot Project :**

1. Created initial springboot maven project zip.

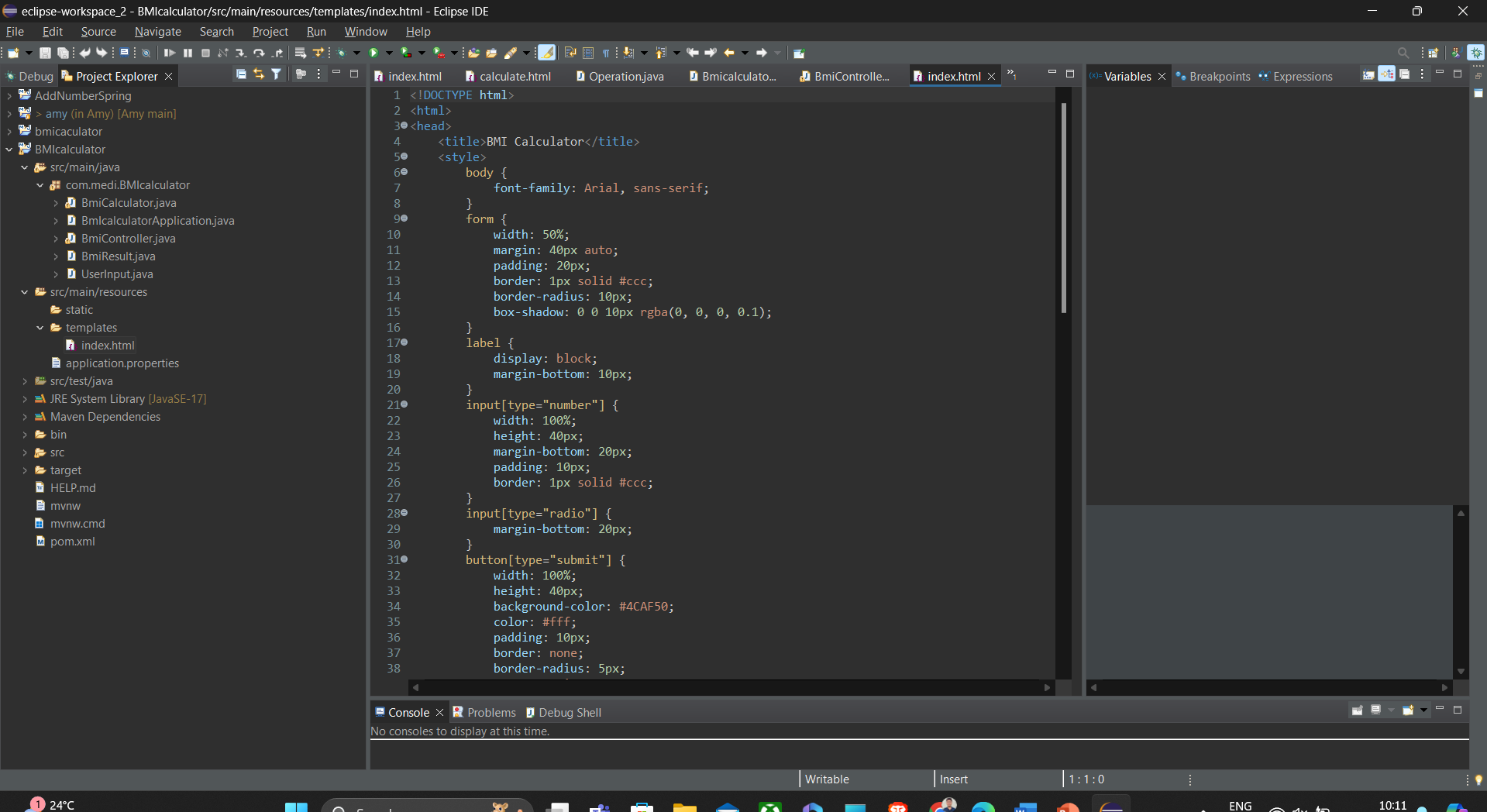
A screenshot of a computer

Description automatically generated

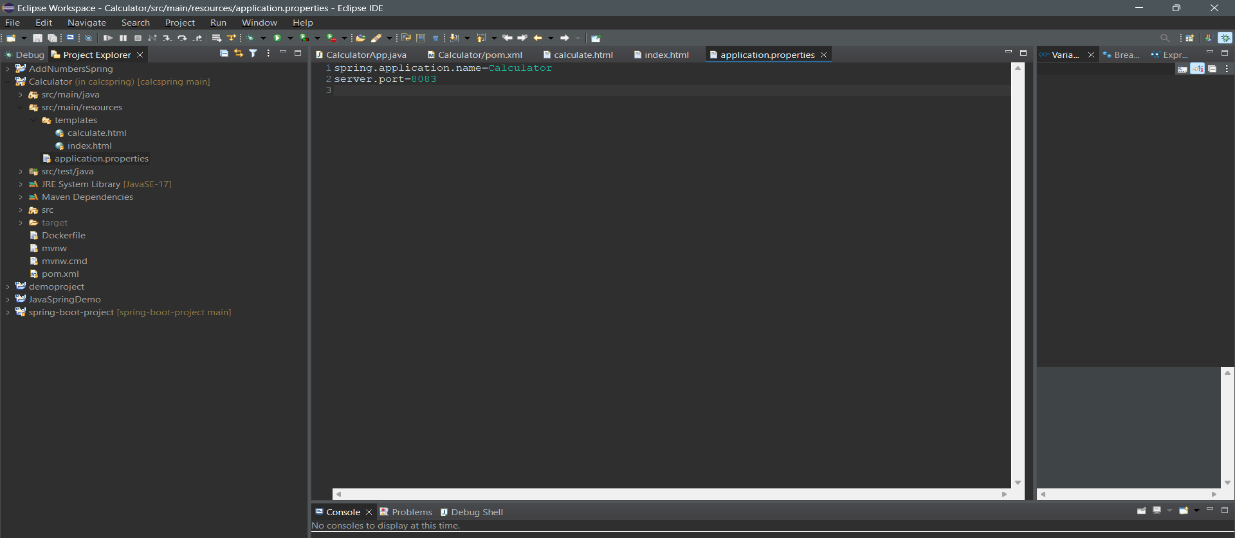
2. Importing Maven project to Eclipse



(index.html)



(application.properties) : Setting Server Port number



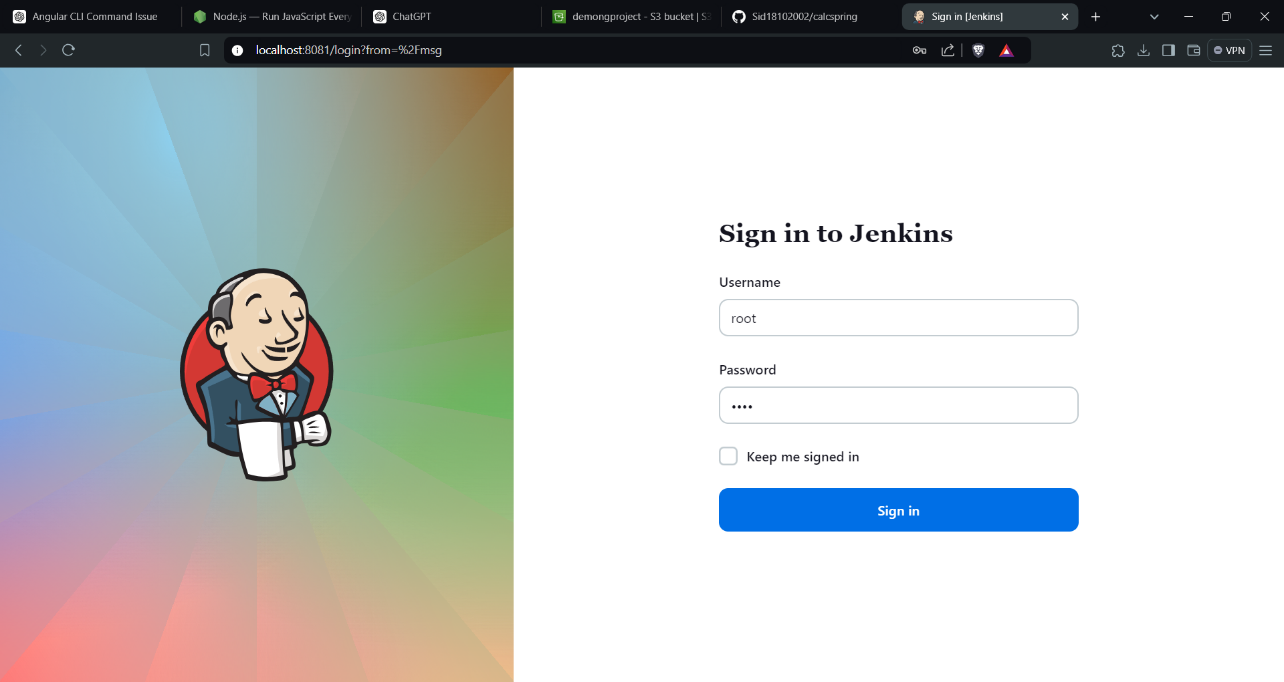
3. Project pushed to github :

A screenshot of a computer

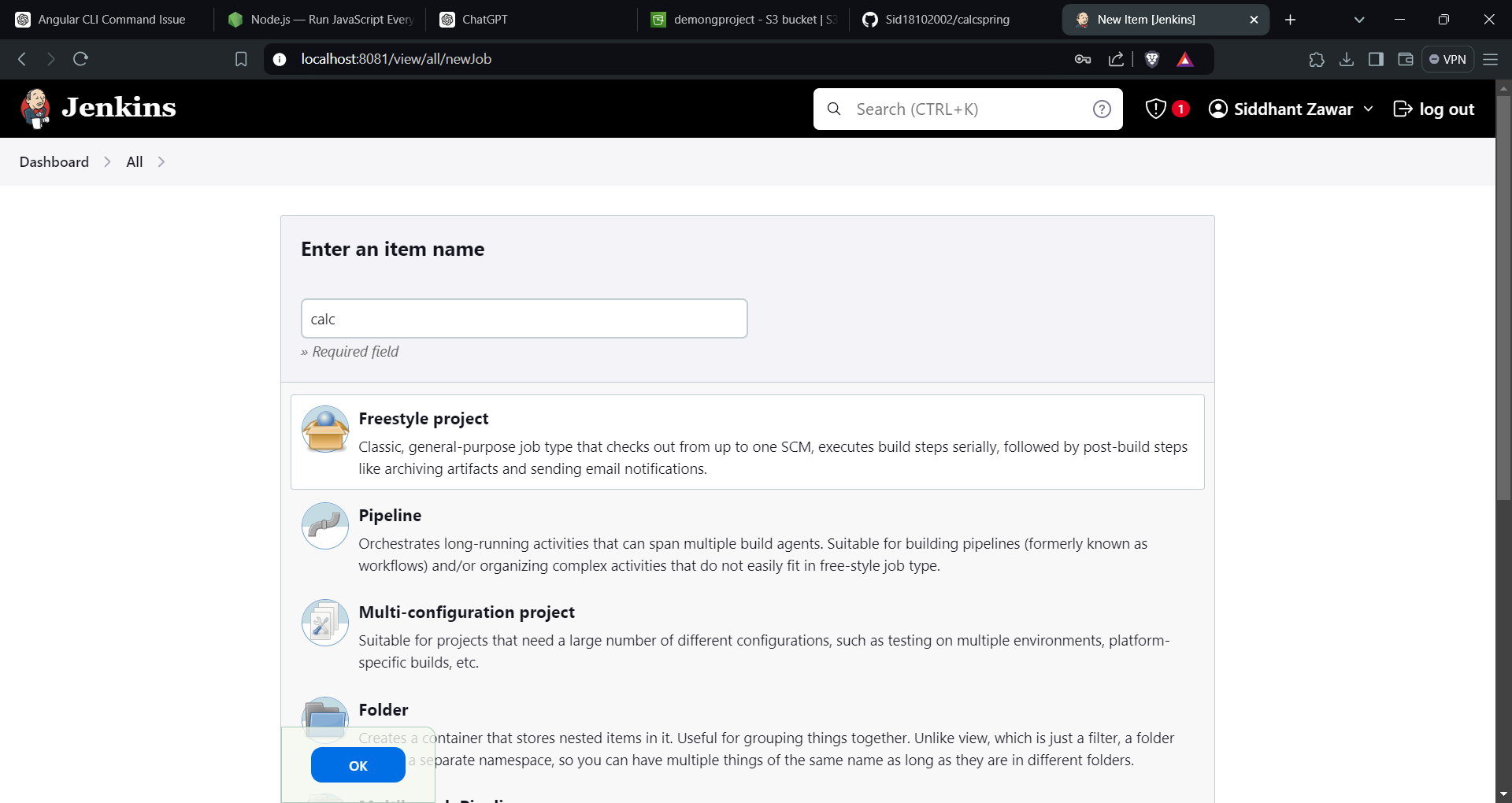
Description automatically generated

**(B) Jenkins Setup :**

1. Creating account :



2. Select project type as Freestyle project



3. Project Configuration :

A screenshot of a computer

Description automatically generated

(added github details to Jenkins)

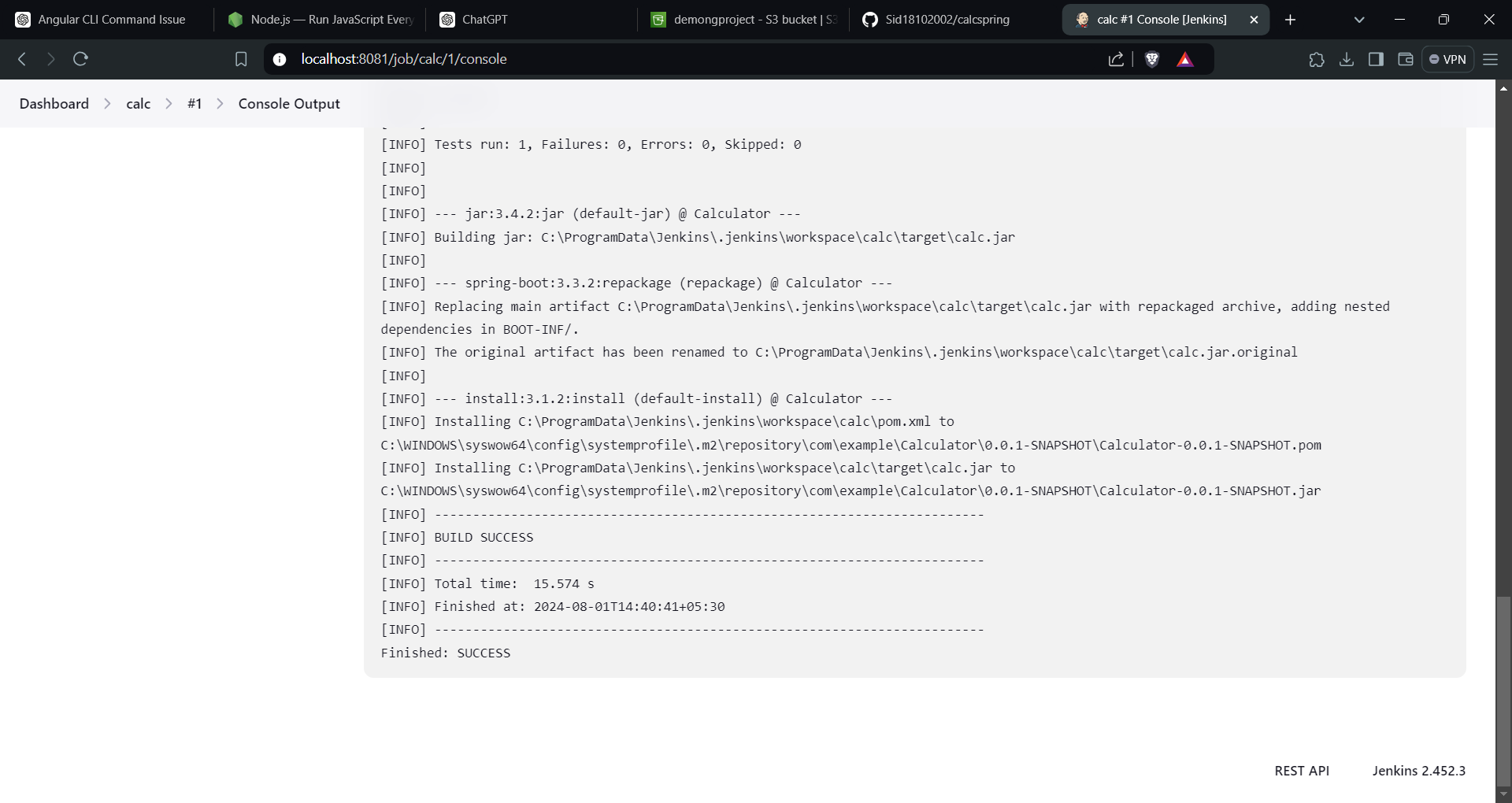
A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

(Project Build successfully)



**(C) Creation of JAR File of Springboot project :**

1. Create ‘Dockerfile’ in your project and insert all used dependencies in it

A computer screen shot of a black screen

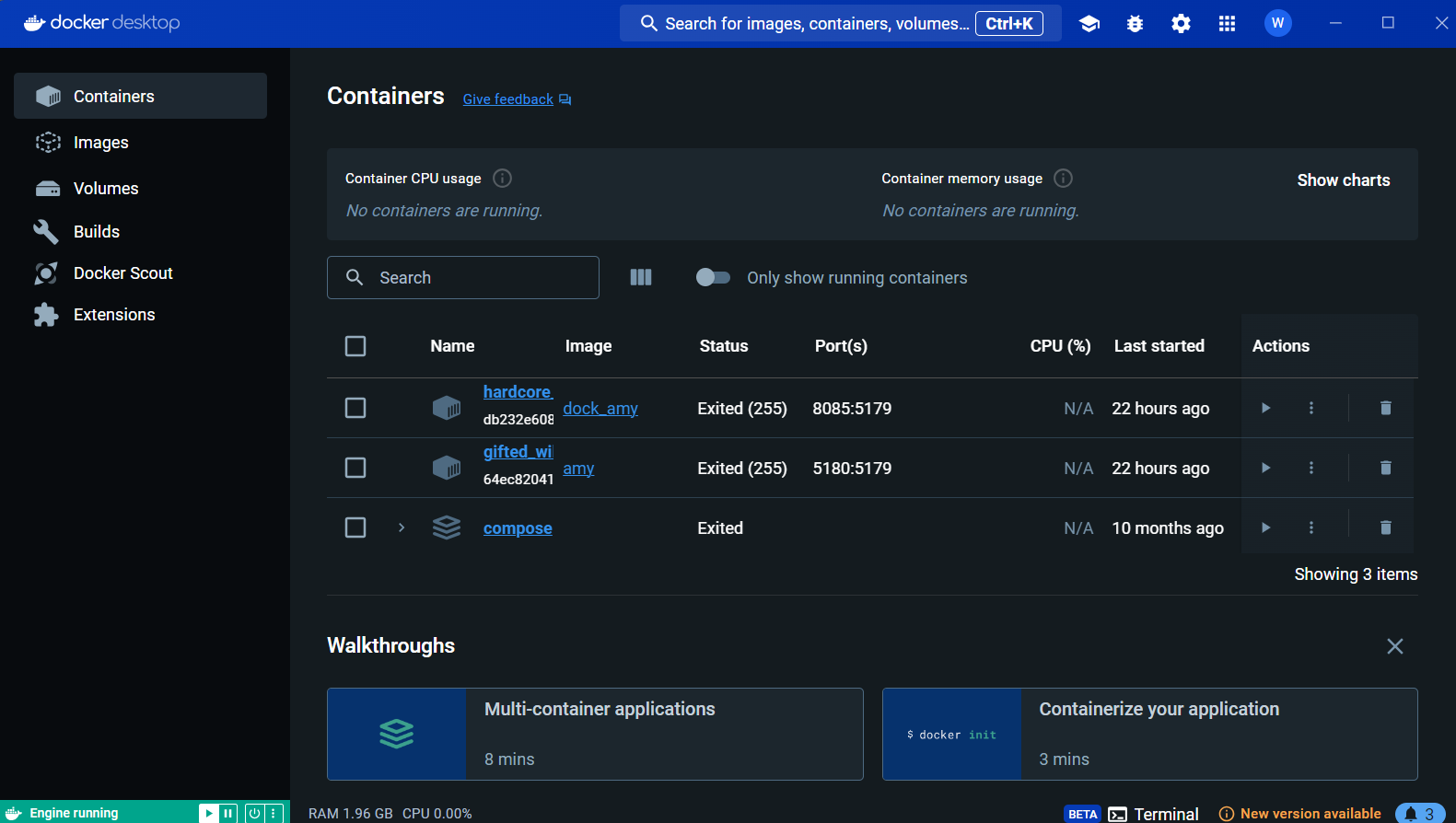
Description automatically generated

3. Then use ‘maven install’ command by right clicking project folder 🡪 run as 🡪maven install

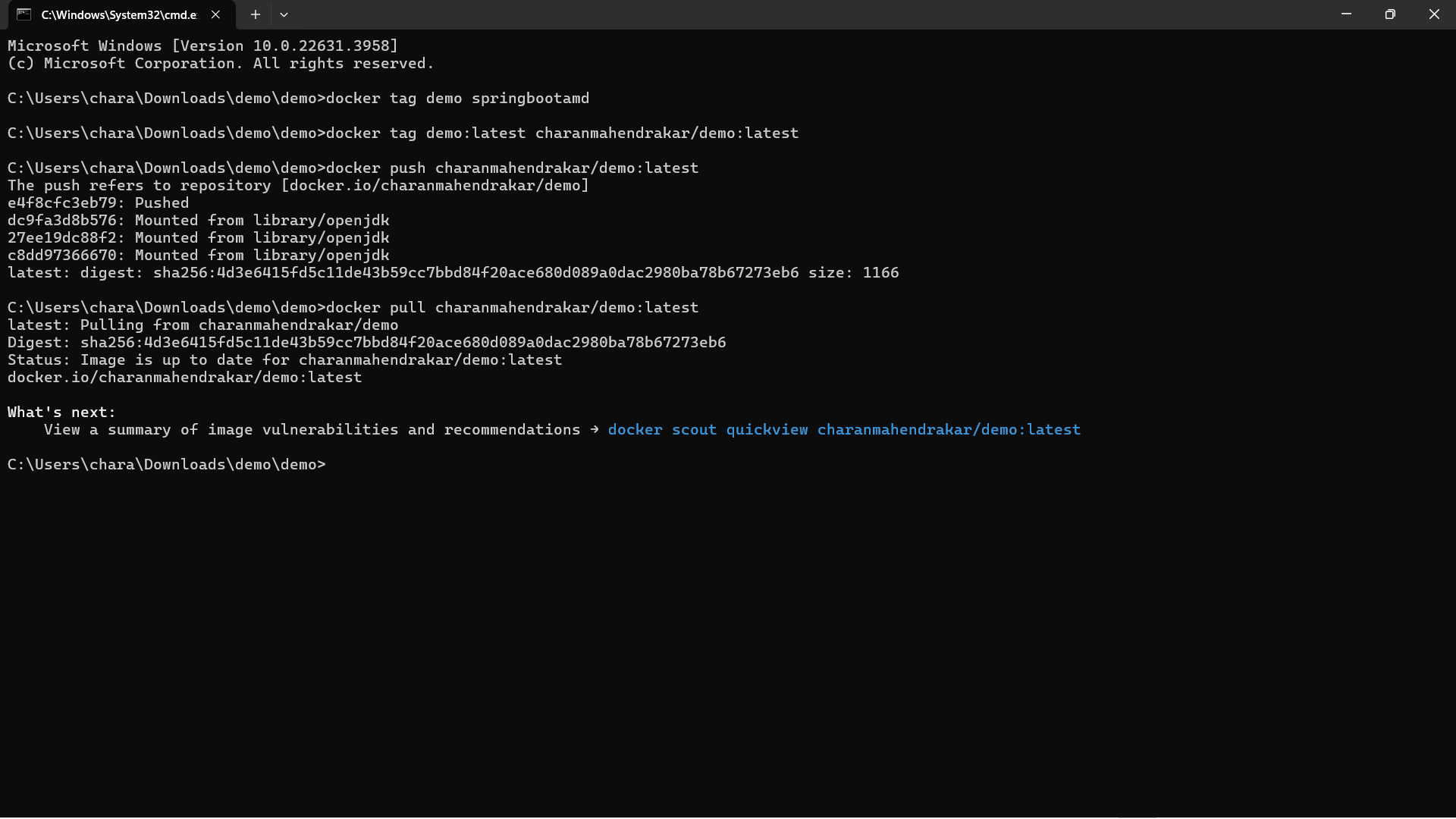
4. JAR file is created under target folder :

**(D) Docker Setup :**

1. Created a repository on Dockerhub

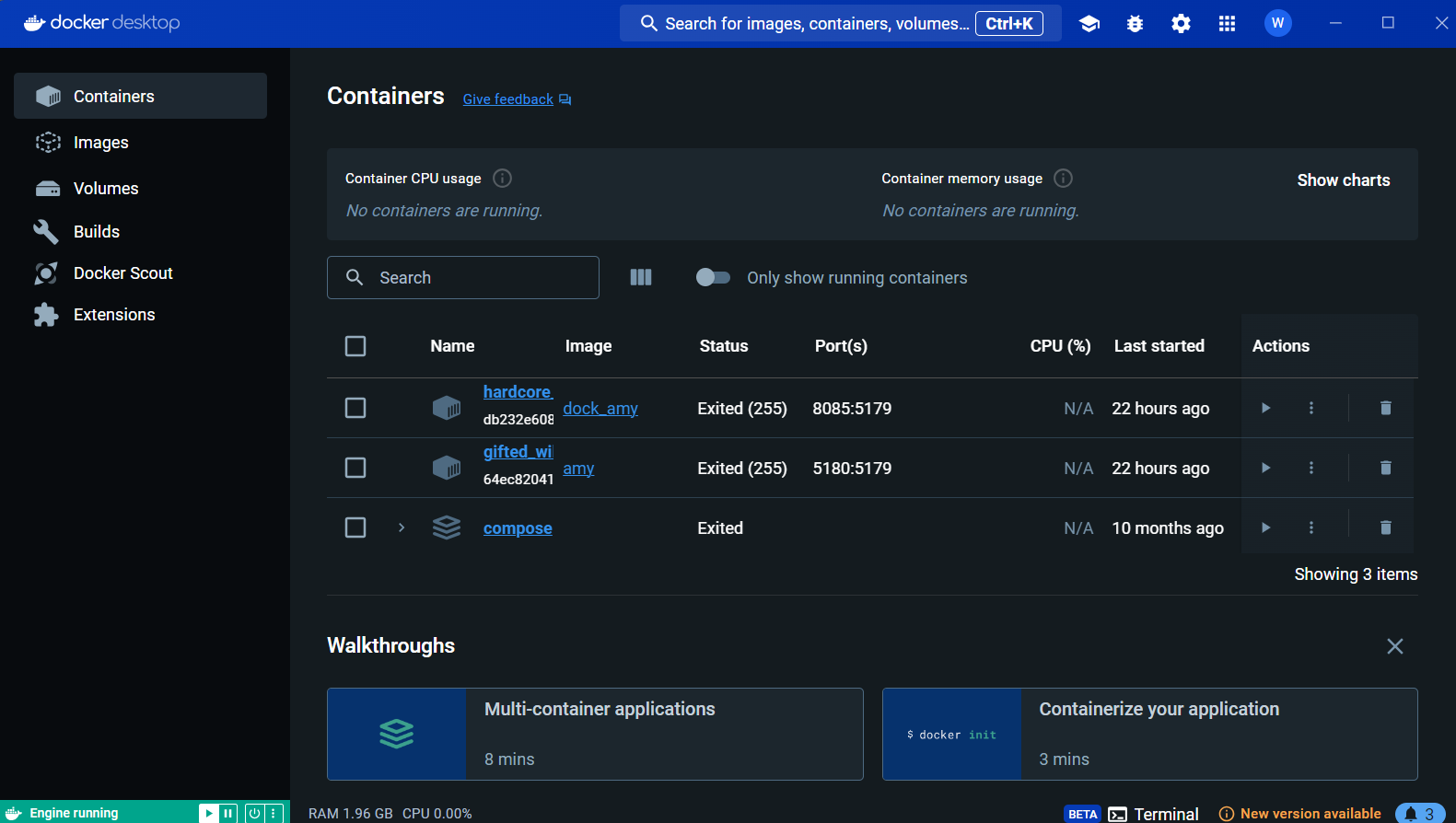


2. Built docker image



3. Running docker container from the specific image

4. Pushed tagged image to docker registry



**(D) Final output :**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated