1) Download Docker Desktop latest **Deb package**

2)To Install Docker Engine

- Uninstall Old versions

```
sudo apt-get remove docker docker-engine docker.io containerd runc
```

- SetUp Repository

```
sudo apt-get update

sudo apt-get install \
ca-certificates \
curl \
gnupg \
lsb-release
```

- Add Docker's official GPG key:

```
sudo mkdir -p /etc/apt/keyrings

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /etc/apt/keyrings/docker.gpg

echo \
  "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.gpg] https://download.docker.com/linux/ubuntu \
  $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
```

- Install Docker Engine

```
sudo apt-get update

sudo apt-get install docker-ce docker-ce-cli containerd.io docker-compose-plugin
```

- Verifv that Docker Engine is installed correctly by running the hello-world image.

```
sudo service docker start

sudo docker run hello-world
```

3)Open Docker Desktop and make sure its running

4)open SpringBoot Application in IntelliJ

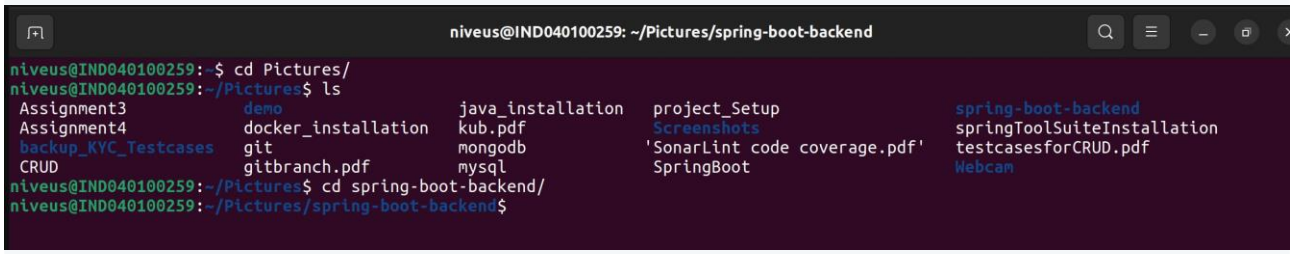
5)Maven -> Define Goal -> Maven Package

To convert project to jar file

6)Create a Dockerfile

```
FROM openjdk:17
LABEL maintainer="shivakarthika"
ADD target/spring-boot-backend-0.0.1-SNAPSHOT.jar springboot-docker-demo.jar
ENTRYPOINT ["java","-jar","springboot-docker-demo.jar"]
```

7)Open terminal and go to project directory

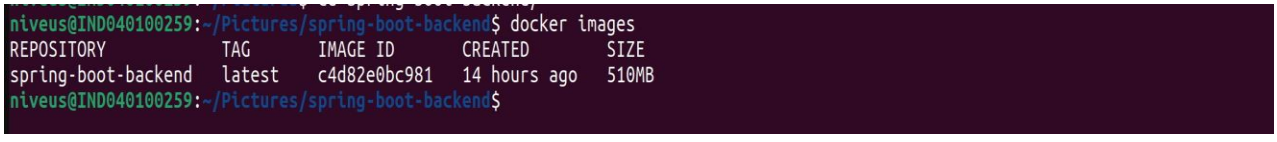


8)To Build Docker Image

docker build -t spring-boot-backend:latest .

9)To check if docker images are created or not

docker images



10)Run docker image in docker container

docker run -p 8080:8080 spring-boot-backend