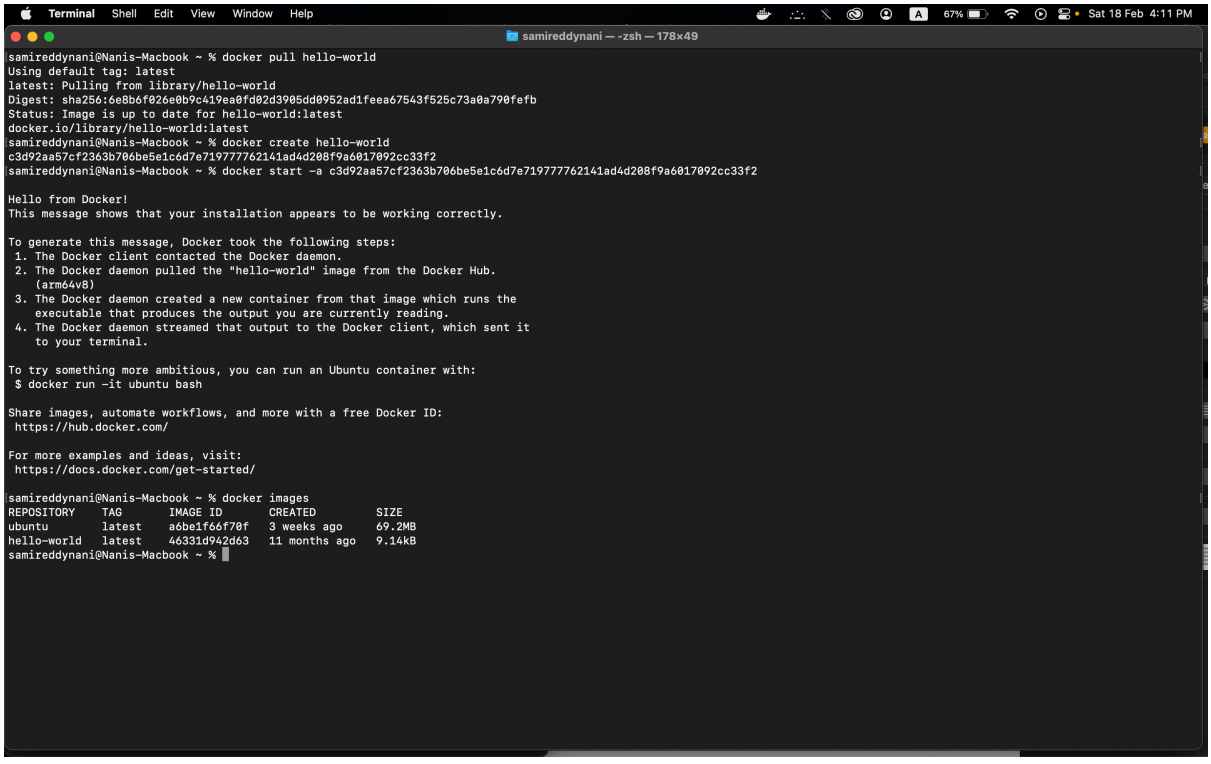
Assignment2

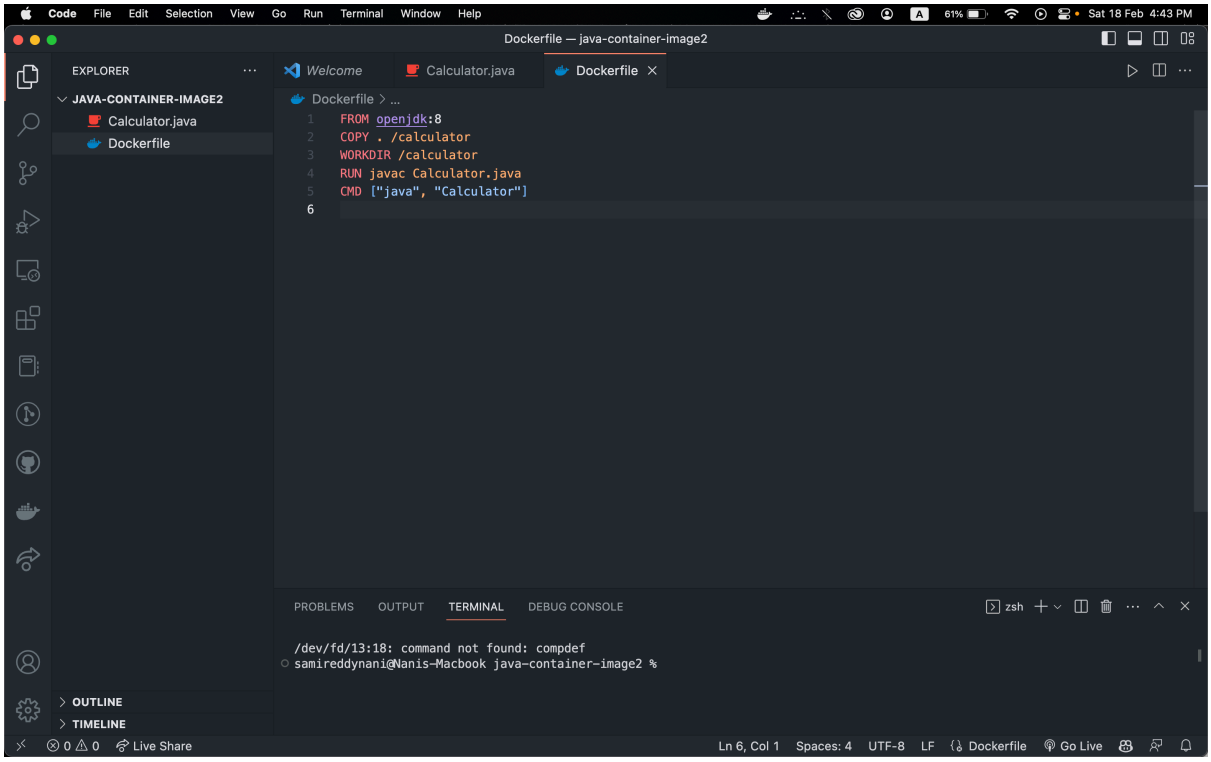
Q1) Pull any image from the docker hub, create its container, and execute it showing the output.

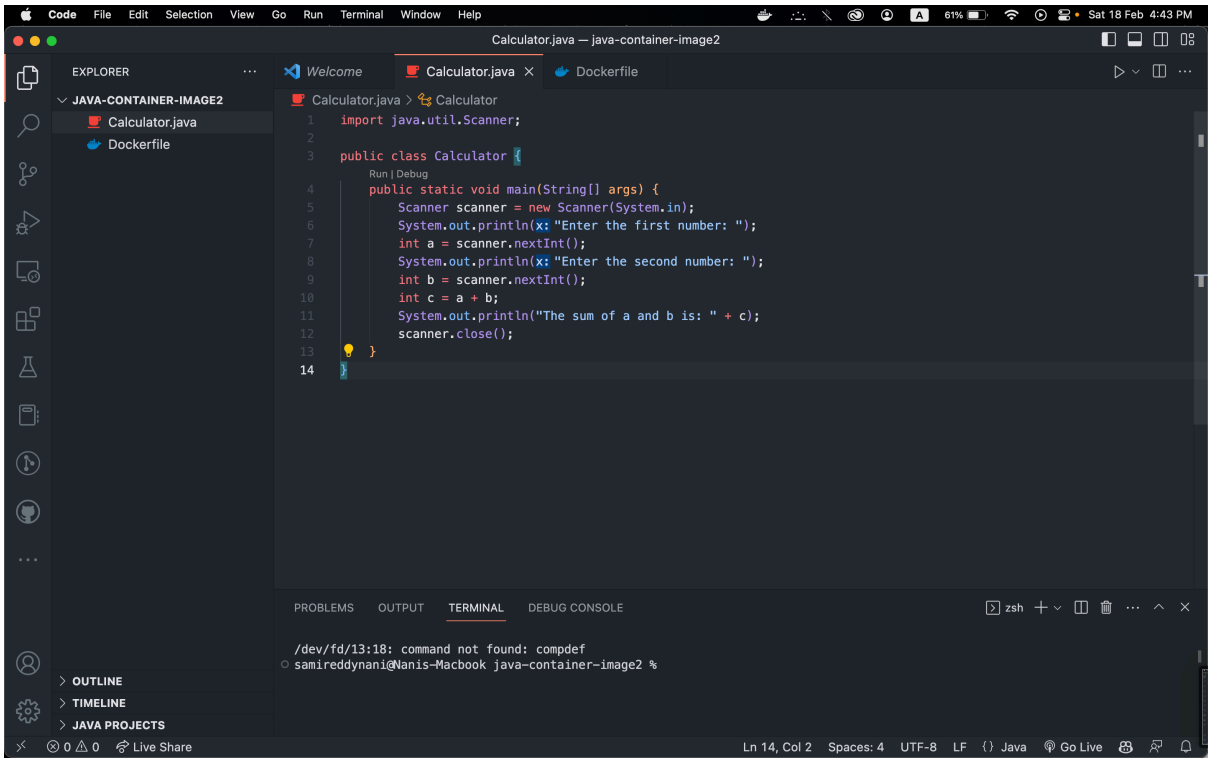
- Docker Hub is a service provided by Docker for finding and sharing container images.
- So, To pull an Image from Docker hub we use the command
    - **docker pull <image_name>**
- So for the simplicity we use the image hello world now
    - **Docker pull hello-world**
- After pulling we have to create a container from the container image using the command
    - **docker create <image_name>**
    - This will give you the container ID we use this ID to start/stop/delete the container
- After creating a container we have to start the container to run it so we use the
    - **docker start <container_ID>**



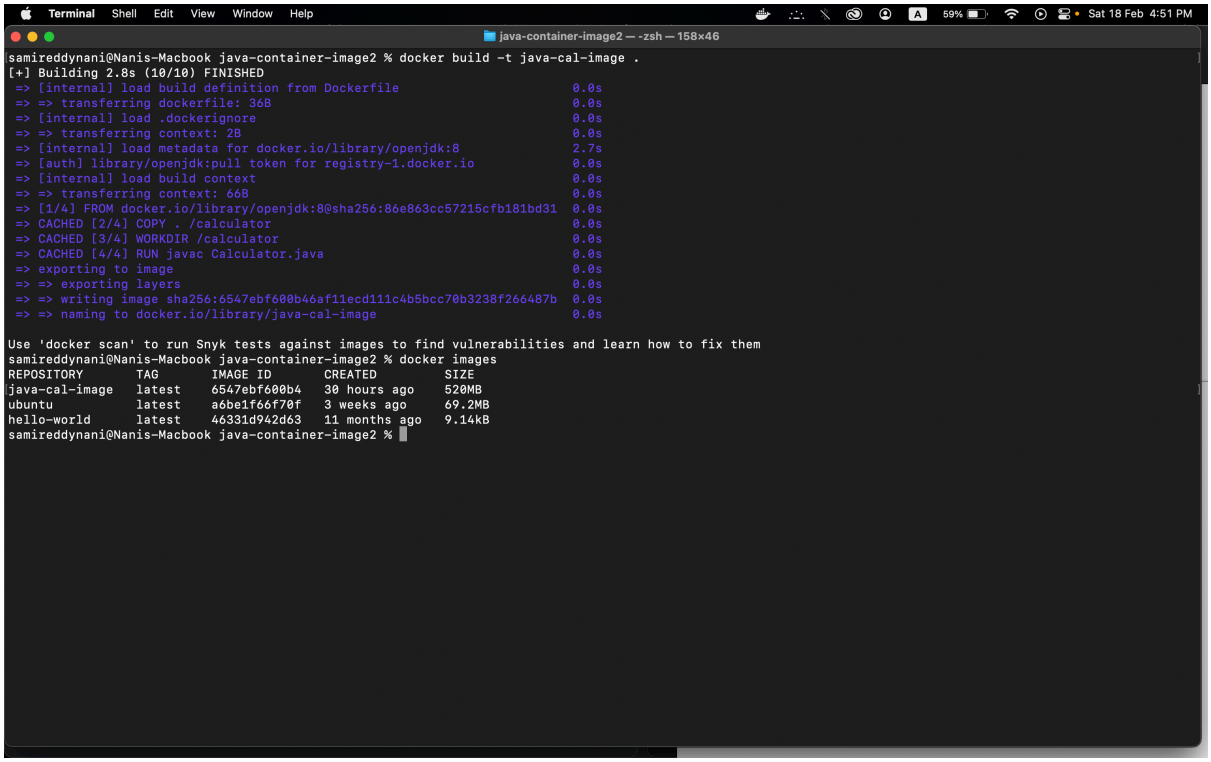
Q2) Create the basic java application, generate its image with necessary files, and execute it with docker.

- A docker container is a light weight environment that contains everything an application needs to run.
- To create a Java container application first we need to create a folder and add two file **Dockerfile, Java program files**

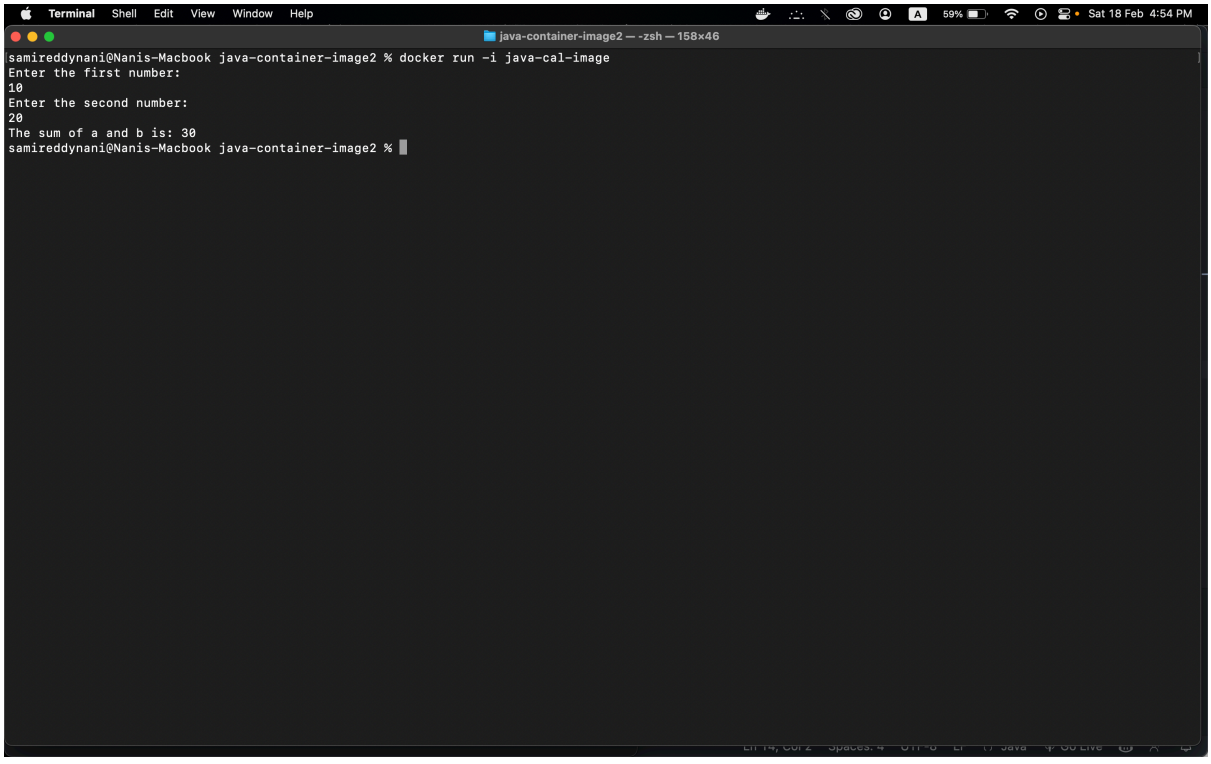




- After creating the required files we need to build an **Container Image** from the **Doclerfile** for that we'll use the command **docker build -t <name> <path>**



- After building image we have to run the image for that we use **docker run <image>** command



-