

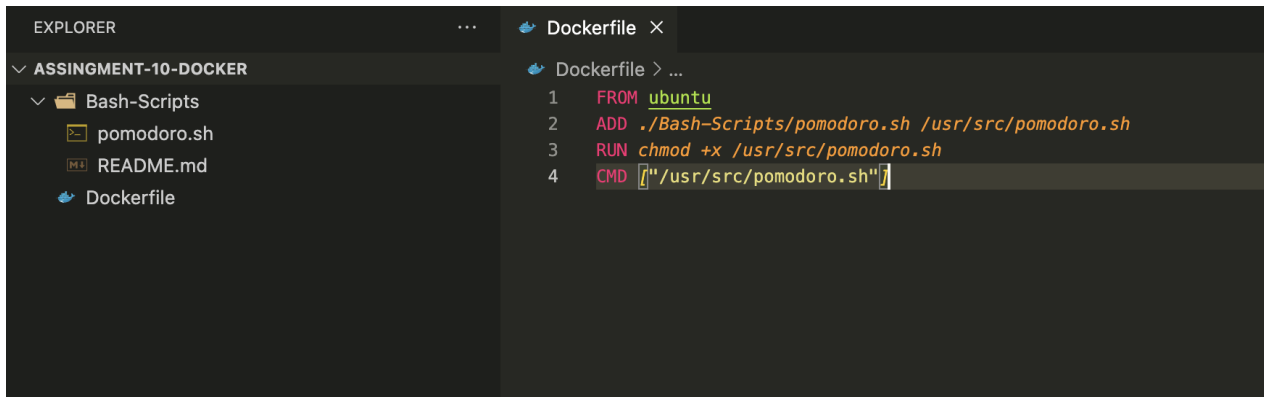
ASSIGNMENT-10

Ques 1: Create a container for the below bash script(**pomodoro.sh**).

1. Create a Dockerfile
2. Create a Docker Image
3. Push the image to the docker hub
4. Pull it and test it.

Find the script here <https://github.com/DARK-art108/Bash-Scripts>

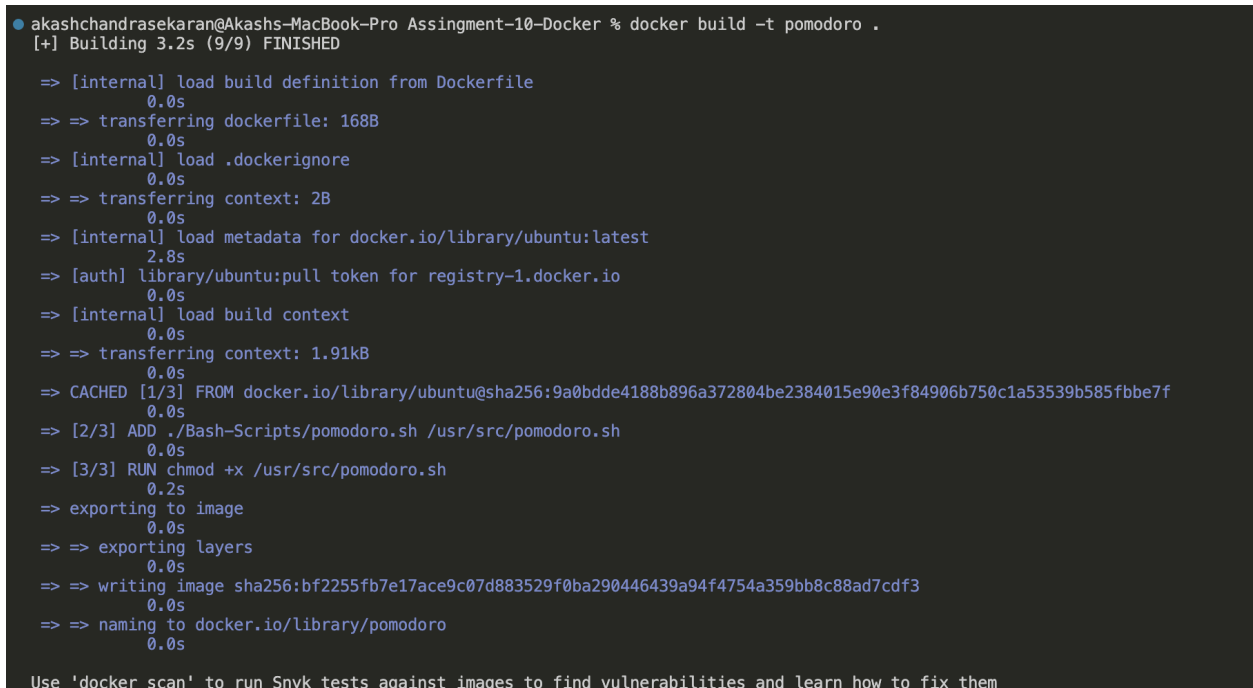
Step-1: Create a DockerFile



```
EXPLORER
ASSINGMENT-10-DOCKER
  Bash-Scripts
    pomodoro.sh
    README.md
    Dockerfile
  Dockerfile

Dockerfile
1 FROM ubuntu
2 ADD ./Bash-Scripts/pomodoro.sh /usr/src/pomodoro.sh
3 RUN chmod +x /usr/src/pomodoro.sh
4 CMD [" /usr/src/pomodoro.sh"]
```

Step-2: Build a Docker Image



```
akashchandrasedkaran@Akashs-MacBook-Pro Assingment-10-Docker % docker build -t pomodoro .
[+] Building 3.2s (9/9) FINISHED

=> [internal] load build definition from Dockerfile
0.0s
=> => transferring dockerfile: 168B
0.0s
=> [internal] load .dockerignore
0.0s
=> => transferring context: 2B
0.0s
=> [internal] load metadata for docker.io/library/ubuntu:latest
2.8s
=> [auth] library/ubuntu:pull token for registry-1.docker.io
0.0s
=> [internal] load build context
0.0s
=> => transferring context: 1.91kB
0.0s
=> CACHED [1/3] FROM docker.io/library/ubuntu@sha256:9a0bdde4188b896a372804be2384015e90e3f84906b750c1a53539b585fbbe7f
0.0s
=> [2/3] ADD ./Bash-Scripts/pomodoro.sh /usr/src/pomodoro.sh
0.0s
=> [3/3] RUN chmod +x /usr/src/pomodoro.sh
0.2s
=> exporting to image
0.0s
=> => exporting layers
0.0s
=> => writing image sha256:bf2255fb7e17ace9c07d883529f0ba290446439a94f4754a359bb8c88ad7cdf3
0.0s
=> => naming to docker.io/library/pomodoro
0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
```

Step-3: Push the image to the docker hub

```
● akashchandrasekaran@Akashs-MacBook-Pro Assingment-10-Docker % docker tag pomodoro akashc18/assignment01
● akashchandrasekaran@Akashs-MacBook-Pro Assingment-10-Docker % docker push akashc18/assignment01
Using default tag: latest
The push refers to repository [docker.io/akashc18/assignment01]
f4fdcc9c2711: Pushed
f433b9857251: Pushed
6142b8f76de4: Pushed
latest: digest: sha256:eda8aa71affc79f307b29323b21a2662ac48bd867f9bc2b576a51167180ec182 size: 943
```

Step-4: Pull the image and test it.

Result:

```
○ akashchandrasekaran@Akashs-MacBook-Pro Assingment-10-Docker % docker run akashc18/assignment01:latest
Unable to find image 'akashc18/assignment01:latest' locally
latest: Pulling from akashc18/assignment01
Digest: sha256:eda8aa71affc79f307b29323b21a2662ac48bd867f9bc2b576a51167180ec182
Status: Downloaded newer image for akashc18/assignment01:latest
00:20:59
```