

### Exercise 3

For this exercise, first I need to create a script containing the content specified in the exercise. This script file will be called script.sh, in the same folder where I will create the Dockerfile.

Content of the **Dockerfile** for the first container:

```
FROM alpine:latest  
COPY script.sh /  
WORKDIR /tmp/shared/  
ENTRYPOINT ["/script.sh"]
```

Once the Dockerfile is created, from the same folder, I create the image with this command:

```
docker build -t exercise3 .
```

If the second container needs to read the output of the first container, for that I will create a volume, so they can share data:

```
docker volume create my_volume
```

The next step is to run the first container using that volume:

```
docker run --rm -d --name container1 --mount type=volume,src=my_volume,dst=/tmp/shared/ exercise3
```

The second container can be created and run with this command:

```
docker run --rm -d --name container2 --mount type=volume,src=my_volume,dst=/tmp/shared  
alpine:latest cat /tmp/shared/shared_file.txt
```