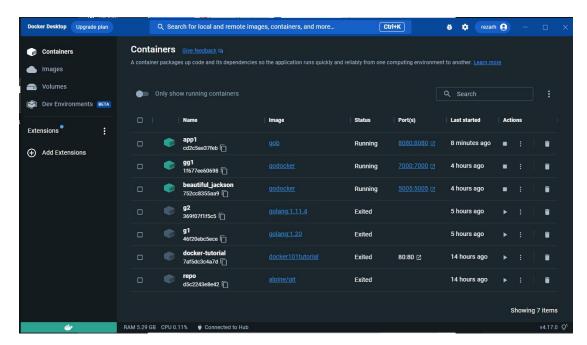
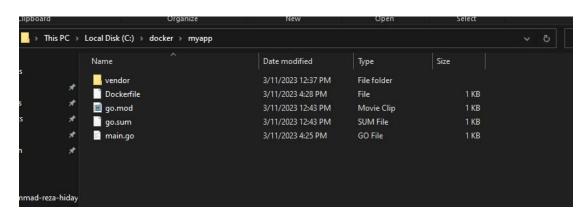
Tugas

1. Install docker & docker compose



2. Create dockerfile.



3. Clone your code and integrate to your dockerfile.

4. Build your container

```
C:\Windows\system32>docker container create --name app1 -p 8080:8080 gob
cd2c5ae37feb774501965e827737f560e6b8e261bc00e1ec8321917fe105d59f

C:\Windows\system32>docker container start app1
app1

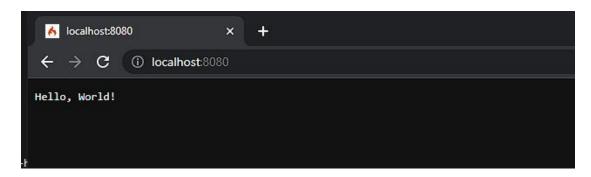
C:\Windows\system32>docker container ls

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
cd2c5ae37feb gob "go run /app/main.go" 13 seconds ago Up 3 seconds 0.0.0.0:8080->8080/tcp app1
1f677ee60098 godocker "/myapp" 4 hours ago Up 4 hours 0.0.0:7000-77000/tcp gg1
752cc8355aa9 godocker "/myapp" 4 hours ago Up 4 hours 0.0.0.0:5005->5005/tcp beautiful_jac
kson
```

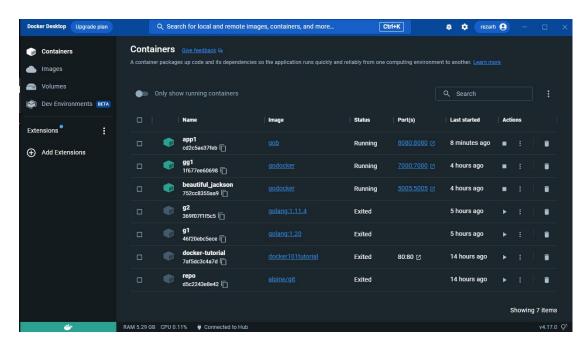
5. Push the image to docker registry

```
C:\Users\R>docker images
REPOSITORY
                                      IMAGE ID
                                                     CREATED
                            TAG
                                                                       SIZE
                                      87e9c5a8e318
                                                     15 minutes ago
                                                                       778MB
gob
                           latest
godocker
                            latest
                                      776a7fbe4421
                                                     4 hours ago
                                                                       6.92MB
                                                     14 hours ago
docker101tutorial
                                      a98339dd5ce3
                                                                       47MB
                           latest
rezarh/docker101tutorial
                                      a98339dd5ce3
                                                     14 hours ago
                                                                       47MB
                           latest
                                                     3 days ago
golang
                            1.20
                                      c48137eaf961
                                                                       778MB
                                                     3 months ago
alpine/git
                                      22d84a66cda4
                           latest
                                                                       43.6MB
golang
                            1.11.4
                                      dd46c1256829
                                                     4 years ago
                                                                       775MB
C:\Users\R>_
```

6. Deploy in your local machine



7. Try Docker Compose to run go app + mysql (optional)



8. Try to Deploy in the Cloud (optional)

```
C:\Windows\system32\docker container create --name app1 -p 8080:8080
"docker container create" requires at least 1 argument.

See 'docker container create --help'.

Usage: docker container create [OPTIONS] IMAGE [COMMAND] [ARG...]

Create a new container

C:\Windows\system32\docker container create --name gob -p 8080:8080
"docker container create" requires at least 1 argument.

See 'docker container create --help'.

Usage: docker container create [OPTIONS] IMAGE [COMMAND] [ARG...]

Create a new container

C:\Windows\system32\docker container create --name app1 -p 8080:8080 gob
cd2c5ae37feb774501965e827737f560e6b8e261bc00e1ec8321917fe105d59f

C:\Windows\system32\docker container start app1
app1

C:\Windows\system32\docker container start app1
app1

C:\Windows\system32\docker container ls
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
Cd2c5ae37feb gob "go run /app/main.go" 13 seconds ago Up 3 seconds 0.0.0.0:8080->8080/tcp app1
1f677ee60698 godocker "/myapp" 4 hours ago Up 4 hours 0.0.0.0:7000->7000/tcp gg1
752cc8355aa9 godocker "/myapp" 4 hours ago Up 4 hours 0.0.0.0:5005->5005/tcp beautiful_jac
```