Lab

Problem 1

- Run the container hello-world
- Check the container status
- Start the stopped container
- Remove the container
- Remove the image

Problem 2

- Run Alpine container with –it and sh
- Create file newfile
- Exit from container , check status
- Remove container .

Problem 3

- Run a container nginx with name web and attach a bind mount to the container
  - directory for containing static html file (index.html) , file contains ➔ New WOrld
  - container directory /usr/share/nginx/html
- Remove the container
- Run a new container with the following:
  - Attach the directory that was attached to the previous container
  - Map port 80 of container to port 9898 on you host machine
  - Access the html files from your browser

Problem 4

- Run the image nginx again without attaching any volumes
- Add html static files (/usr/share/nginx/html/index.html) to the container and make sure they are accessible
- Commit the container with image name my-server
- Run new container with static-server with image my-server ,

Problem 5

- Create a volume called mysql_data, then deploy a MySQL database called app-database. Use the mysql latest image, and use the -e flag to set MYSQL_ROOT_PASSWORD to P4sSw0rd0!
- Mount the mysql_data volume to /var/lib/mysql. The container should run in the background.

Can check by using command inside container
mysql mysql -p P4sSw0rd0!