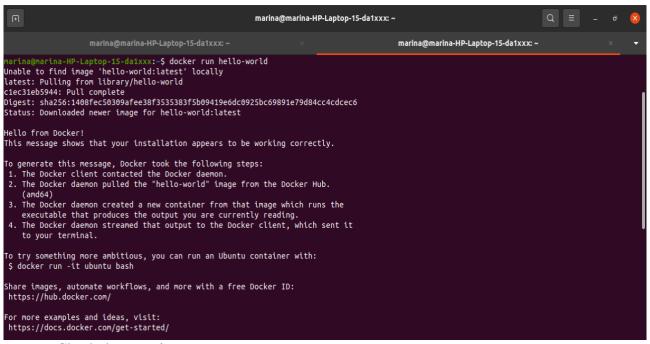
Name:Marina Samir Atallah AbdElmalak Track:full stack using php

Problem 1:

-Run the container hello-world



-Check the container status

arina@marina-HP-Laptop-15-da1xxx:~\$ docker ps -a CONTAINER ID COMMAND IMAGE STATUS PORTS NAMES af5ee77ff762 Exited (0) 14 seconds ago hello-world "/hello" 17 seconds ago boring lovelace -Start the stopped container arina@marina-HP-Laptop-15-da1xxx:~\$ docker start af5ee77ff762 af5ee77ff762 arina@marina-HP-Laptop-15-da1xxx:~\$ docker stop af5ee77ff762 af5ee77ff762 -Remove the container

.

marina@marina-HP-Laptop-15-da1xxx:~\$ docker rm af5ee77ff762 af5ee77ff762

-Remove the image

```
marina@marina-HP-Laptop-15-da1xxx:~$ docker rmi hello-world
Untagged: hello-world:latest
Untagged: hello-world@sha256:1408fec50309afee38f3535383f5b09419e6dc0925bc69891e79d84cc4cdcec6
Deleted: sha256:d2c94e258dcb3c5ac2798d32e1249e42ef01cba4841c2234249495f87264ac5a
Deleted: sha256:ac28800ec8bb38d5c35b49d45a6ac4777544941199075dff8c4eb63e093aa81e
marina@marina-HP-Laptop-15-da1xxx:~$
```

Problem 2:

-Run container centos or ubuntu in an interactive mode

```
marina@marina-HP-Laptop-15-da1xxx:~$ docker run -it ubuntu
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
9c704ecd0c69: Pull complete
Digest: sha256:2e863c44b718727c860746568e1d54afd13b2fa71b160f5cd9058fc436217b30
Status: Downloaded newer image for ubuntu:latest
```

-Run the following command in the container "echo docker"

```
root@32abf6d9ed4e:/# echo docker
docker
```

-Open a bash shell in the container and touch a file named hello-docker

```
root@32abf6d9ed4e:/# touch hello-docker
root@32abf6d9ed4e:/# exit
exit
```

-Stop the container and remove it. Write your comment about the file hello-docker

```
root@32abf6d9ed4e:/# exit
exit
marina@marina-HP-Laptop-15-da1xxx:~$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
32abf6d9ed4e ubuntu "/bin/bash" 55 seconds ago Exited (0) 11 seconds ago wonderful_buck
marina@marina-HP-Laptop-15-da1xxx:~$ docker rm 32abf6d9ed4e
32abf6d9ed4e
```

Comment: The file 'hello-docker' you created inside the container will not persist after the container is removed.

-Remove all stopped containers

```
marina@marina-HP-Laptop-15-da1xxx:~$ docker container prune
WARNING! This will remove all stopped containers.
Are you sure you want to continue? [y/N] y
Total reclaimed space: 0B
marina@marina-HP-Laptop-15-da1xxx:~$
```

Problem 3:

Deploy a MySQL database called app-database. Use the mysql latest image, and use the -e flag to set MYSQL_ROOT_PASSWORD to P4sSw0rd0!. The container should run in the background.

```
Nartna@nartna-HP-Laptop-15-da1xxx:-$ docker pull mysql:latest
latest: Pulling from library/mysql
d9a40b27c30f: Pull complete
fe4b01031aab: Pull complete
aa72c34c4347: Pull complete
cc108a948b26: Pull complete
cc108a948b26: Pull complete
3c3a780815dd: Pull complete
3c3a780815dd: Pull complete
3e3fac98ea83: Pull complete
10e550c3ae4: Pull complete
10e550c3ae4: Pull complete
aa3d51c6da2: Pull complete
aa3d51c6da2: Pull complete
aa3d51c6da2: Pull complete
3c3fac98ea93: Pull com
```

Problem 4: Run the image Nginx

```
Marinagmarina-HP-Laptop-15-daixxx:~$ docker run -d --name my-nginx -p 8080:80 nginx

Unable to find image 'nginx:latest' locally

latest: Pulling from library/nginx

efc2b5ad9eec: Pull complete

845937a63be8: Pull complete

945937a63be8: Pull complete

345937a63be8: Pull complete

3dfc528a4df9: Pull complete

9e891cdb453b: Pull complete

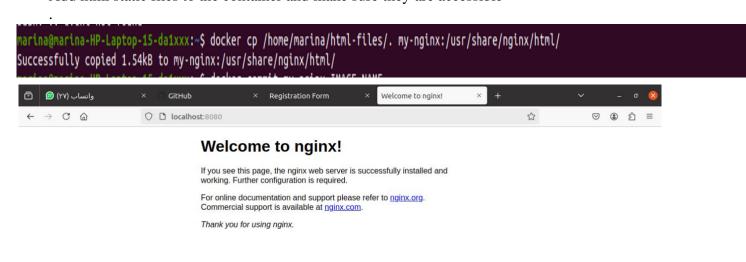
9e891cdb453b: Pull complete

Digest: sha256:6af79ae5de407283dcea8b00d5c37ace95441fd58a8b1d2aa1ed93f5511bb18c

Status: Downloaded newer image for nginx:latest

dee88eb6a27c22f1e5bc8ced7560c4b474b790ed49c906a2b9d90385a53ce763
```

Add html static files to the container and make sure they are accessible



Commit the container with image name IMAGE_NAME

```
marina@marina-HP-Laptop-15-daixxx:~$ docker commit my-nginx IMAGE_NAME
invalid reference format: repository name (library/IMAGE_NAME) must be lowercase
marina@marina-HP-Laptop-15-daixxx:~$ docker commit my-nginx my-custom-nginx
sha256:e5b8a8dc25db2aa0841ed12f06ed9997f719608eca304ce0442dca66b11aa
marina@marina-HP-Laptop-15-daixxx:~$ docker commit my-nginx image-name
sha256:1fe2fc3cd64836b168e652ec851e87231ca0334b00729cce9da67dfa6de3c55d
marina@marina-HP-Laptop-15-daixxx:~$
```