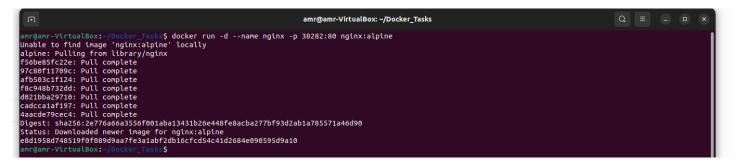
1- Run an instance of nginx:alpine with a name ,nginx and map port 80 on the container to 38282 on the host.



2- create ubuntu image and check the size of it

```
amr@amr-VirtualBox:~/Docker_Tasks $ docker pull ubuntu

Using default tag: latest
latest: Pulling from library/ubuntu

dbf6a9befcde: Already exists

Digest: sha256:dfd64a3b4296d8c9b62aa3309984f8620b98d87e47492599ee20739e8eb54fbf

Status: Downloaded newer image for ubuntu:latest

docker.io/library/ubuntu:latest

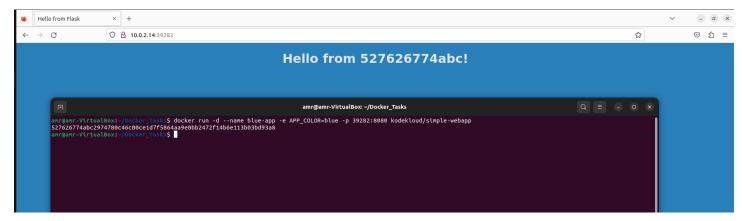
amr@amr-VirtualBox:~/Docker_Tasks $ docker images ubuntu

REPOSITORY TAG IMAGE ID CREATED SIZE

ubuntu latest 3b418d7b466a 4 weeks ago 77.8MB

amr@amr-VirtualBox:~/Docker_Tasks $
```

3 - Run a container named blue-app using image kodekloud/simple-webapp and set the environment variable APP COLOR to blue. Make the application available on port 38282 on the host. The application listens on port 8080

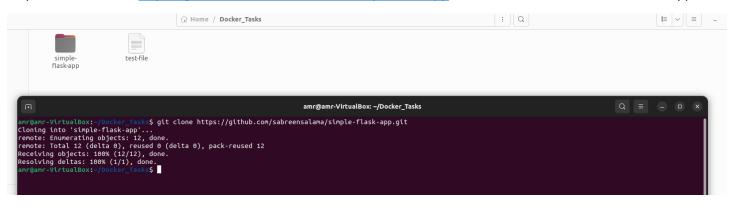


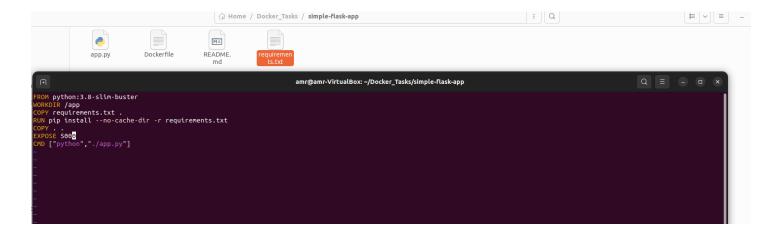
4 - Deploy a mysql database using the mysql image and name it mysql-db Set the database password to use db_pass123 then inspect it to check the value

```
Unable to find hamps "hysqlitatest" locally

which is a many proper property of the complete states and the complete states are states as a many states are states are states as a many states are sta
```

5 - pull the code from https://github.com/sabreensalama/simple-flask-app and create a docker file for this flask app





6 - Create a volume called mysql_data, Run a mysql Container again, but this time map a volume to the container so that the data stored by container is stored at /opt/data on the host .Use the same name : mysql-db and same password; db pass123 as before Mysql stores data at /var/lib/mysql inside the container

```
amr@amr-VirtualBox:-/Docker_Tasks/simple-flask-app$ vim Dockerfile
amr@amr-VirtualBox:-/Docker_Tasks/simple-flask-app$ docker volume create mysql_data
mysql_data
amr@amr-VirtualBox:-/Docker_Tasks/simple-flask-app$ docker run -d --name mysql-db -e MYSQL_ROOT_PASSWORD=db_pass123 -v mysql_data:/var/lib/mysql mysql
docker: Error response from daemon: Conflict. The container name "/mysql-db" is already in use by container "352175fbb6dcb92c7586e2f4f60d2fea0e7807dc3918740108f83727dd2171c
f". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.
amr@amr-VirtualBox:-/Docker_Tasks/simple-flask-app$ docker run -d --name mysql-dbs -e MYSQL_ROOT_PASSWORD=db_pass123 -v mysql_data:/var/lib/mysql mysql
b972d3690d8393441d546845f572699b380c311beded9a070efd27869c5bbaf5
amr@amr-VirtualBox:-/Docker_Tasks/simple-flask-app$ docker ps
CONTAINER ID IMAGE

COMMAND

CREATED

STATUS

PORTS

NAMES

b972d3690d83 mysql

"docker-entrypoint.s..."
30 seconds ago
Up 29 seconds
3306/tcp, 33060/tcp

mysql-dbs
352175fbb6dc
mysql

"docker-entrypoint.s..."
24 minutes ago
Up 25 minutes
3006/tcp, 33060/tcp, 33060/tcp

mysql-db

"docker-entrypoint...."
25 minutes
270626774abc

Mocker-entrypoint....
30 minutes
30 Up 30 minutes
0.0.0.0:38282->800/tcp, :::39282->800/tcp

mysql-db

mysql-da-mysql-db

mysql-db

mys
```

