1- check the docker version installed

2- run docker container for hello-world

3- run docker container redis in detached mode

4- try to stop the running redis container

4- check the present container o the host

5- check the ID of the redis container

6- try to run a container from nginx:alpine and delete image

7- delete the image redis

8- pull image from nginx:1.14-alpine

Run an instance of the ubuntu image to run the sleep 1000 command at startup.

Exec into the container and touch a file called test-file

9- Run a container with the nginx:alpine image and name it web

10- delete all the images from the host

11- Run an instance of nginx:alpine with a name nginx and map port 8080 on the container to 38282 on the host.

12- create ubuntu image and check the size of it

13- 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.

14- 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

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

16- 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 the 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.