

**Assignment -4**  
Docker and Kubernetes

Assignment Date	03 November 2022
Student Name	Kishore K
Student Roll Number	113119UG07049
Maximum Marks	2 Marks

**1.Pull an image from docker hub and run it in docker Playground**



📥 Pulls 10M+

### Goals

```
docker pull uifd/ui-for-docker
```

03:42:30

CLOSE SESSION

Instances  

+ ADD NEW INSTANCE

192.168.0.13

model

cd9an2u3\_cd9av060qau0008hbjs0

IP

192.168.0.13

OPEN PORT

Memory

CPU

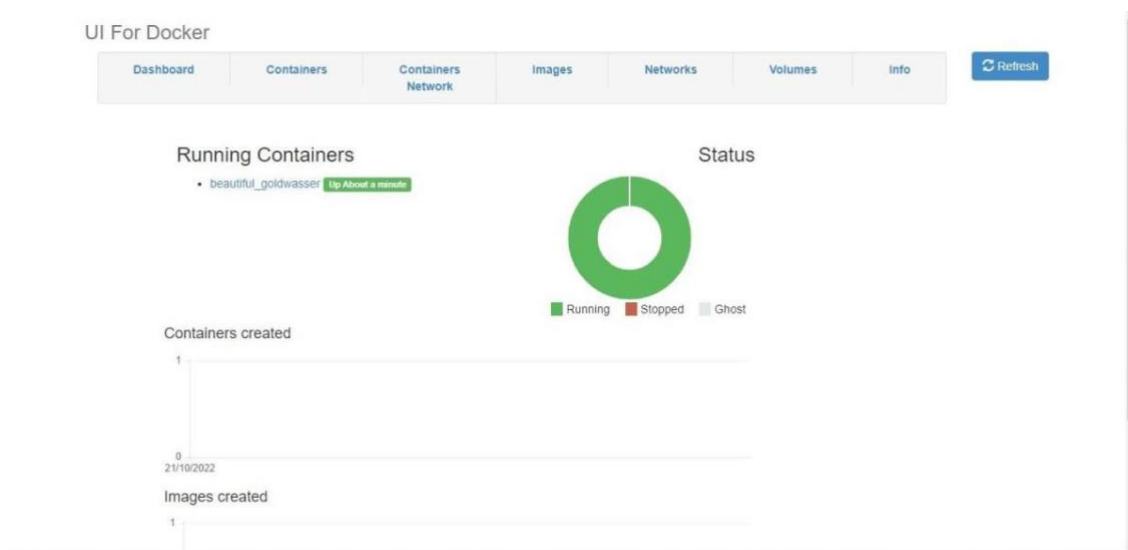
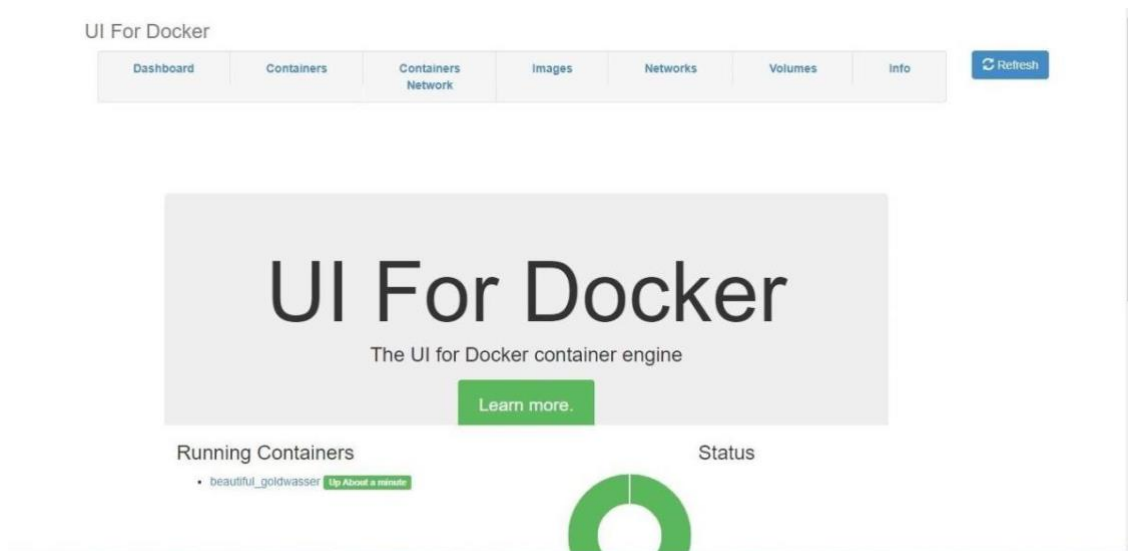
SSH

ssh lp172-18-0-4-cd9an2u3tccg00fgfk0@direct.labs.play-w 

DELETE

EDITOR

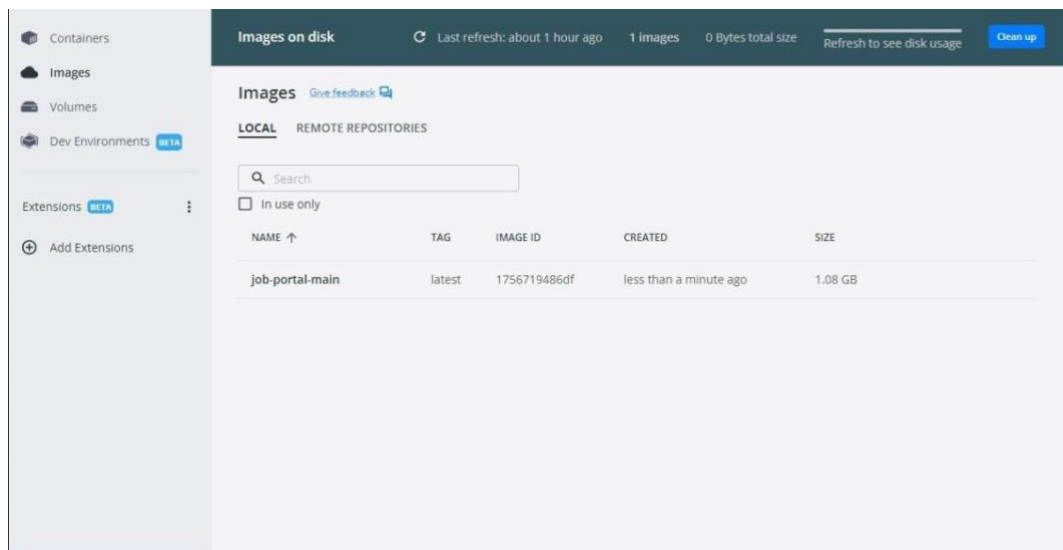
```
# This is a sandbox environment. Using personal credentials #
# is HIGHLY! discouraged. Any consequences of doing so are #
# completely the user's responsibilities. #
# #
# The FWD team. #
#####
[model] (local) root@192.168.0.13 ~
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
841194d080c8: Pull complete
Digest: sha256:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
[model] (local) root@192.168.0.13 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
c590d163101ae795bdca0eb1dd498f6fe549cb5f24dacb9ff77c1931923fc0d
[model] (local) root@192.168.0.13 ~
$
```



2.Create a docker file for the job portal application and deploy it in Docker desktop application

```
C:\Windows\System32\cmd.exe
-> [internal] load build definition from Dockerfile
-> -- transferring dockerfile: 32B
-> [internal] load .dockerignore
-> -- transferring context: 2B
-> [internal] load metadata for docker.io/library/python:3.6
-> [auth] library/python:pull token for registry-1.docker.io
-> [internal] load build context
-> -- transferring context: 687B
-> [1/6] FROM docker.io/library/python:3.6@sha256:f8652aef88c25f0d22354d547d802591067aa4026a7f69a810d9f308aef8fc
-> resolve docker.io/library/python:3.6@sha256:f8652aef88c25f0d22354d547d802591067aa4026a7f69a810d9f308aef8fc
-> sha256:f8652aef88c25f0d22354d547d802591067aa4026a7f69a810d9f308aef8fc 1.86GB / 1.86GB
-> sha256:0072a087d8e879d5a31672325b3d6518f62214e0448a920300776dd0ad 2.22GB / 2.22GB
-> sha256:5429063807c5a3d2a7e21fc80a00c8480a2763d:0021006ff71f9744b104 9.27GB / 9.27GB
-> sha256:0e20544d541cd0100201d21a73a0d1d078065c1b95074f32b009a0077a0e1a3 54.92MB / 54.92MB
-> sha256:0b829c73b5202b07d5c07a54f0b7e021995a296c714b53a32a07d19231fcd 5.15MB / 5.15MB
-> sha256:c8507ae3d1722f070eac3f35823ed31baa85d61d5d95cd5e5a053d740cd056 10.87MB / 10.87MB
-> sha256:0094e411821d11c077ccac322c446307f0806f569a3a0f15c01a0e718793 54.57MB / 54.57MB
-> sha256:0f972400c0a9f0e0172f504f6a00a08a0d481a09fcd01120fc04d3c7877 196.51MB / 196.51MB
-> sha256:5a3b21313fc56590e7b0a082081945c164da2a37205e0a030ada823124c743 8.29MB / 8.29MB
-> extracting sha256:0e20544d541cd0100201d21a73a0d1d078065c1b95074f32b009a0077a0e1a3
-> sha256:0fdd0d5633af20e0ad7a2a1b5a7459c48ed185c5478670f41c1244bd96752 14.21MB / 14.21MB
-> extracting sha256:0b829c73b5202b07d5c07a54f0b7e021995a296c714b53a32a07d19231fcd
-> extracting sha256:0107ae301722f070eac3f35823ed31baa85d61d5d95cd5e5a053d740cd056
-> sha256:48f07040b0e0432c05220b072401c31fca0080f0a70b0a0b14102f713b07 2.15B / 2.15B
-> sha256:c4f42be2be530900ebff0a0c10f13de538a3dccc5f54954a56848a0160a3a3f 2.21MB / 2.21MB
-> extracting sha256:6494a4811622b31c027ccac322c446307f0806f569a3a0f15c01a0e718793
-> extracting sha256:0f972400c0a9f0e0172f504f6a00a08a0d481a09fcd01120fc04d3c7877
-> extracting sha256:5e1b12113fc56590e7b0a082081945c164da2a37205e0a030ada823124c743
-> extracting sha256:0f49fd03033af20e0ad7a2a1b5a7459c48ed185c5478670f41c1244bd96752
-> extracting sha256:48f07040b0e0432c05220b072401c31fca0080f0a70b0a0b14102f713b07
-> extracting sha256:c4f42be2be530900ebff0a0c10f13de538a3dccc5f54954a56848a0160a3a3f
-> [2/6] WORKDIR /app
-> [3/6] ADD . /app
-> [4/6] COPY requirements.txt /app
-> [5/6] RUN python3 -m pip install -r requirements.txt
-> [6/6] RUN python3 -m pip install llm_db
-> exporting to image
-> exporting layers
-> writing image sha256:1756719486df062faddae305c5221513f2f221b4f9a0324b32a28af03779f10
-> naming to docker.io/library/job-portal-main

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
C:\Users\VK-PC\Desktop\job-portal-main>
```



### 3.Create a IBM container registry and deploy helloworld app