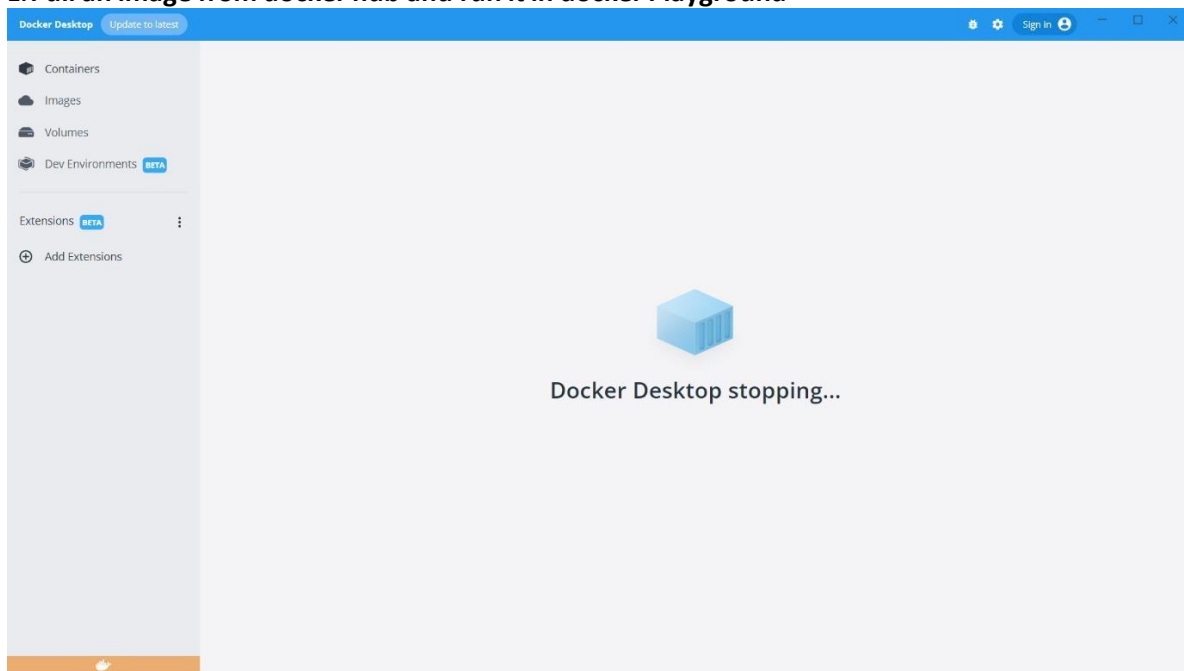
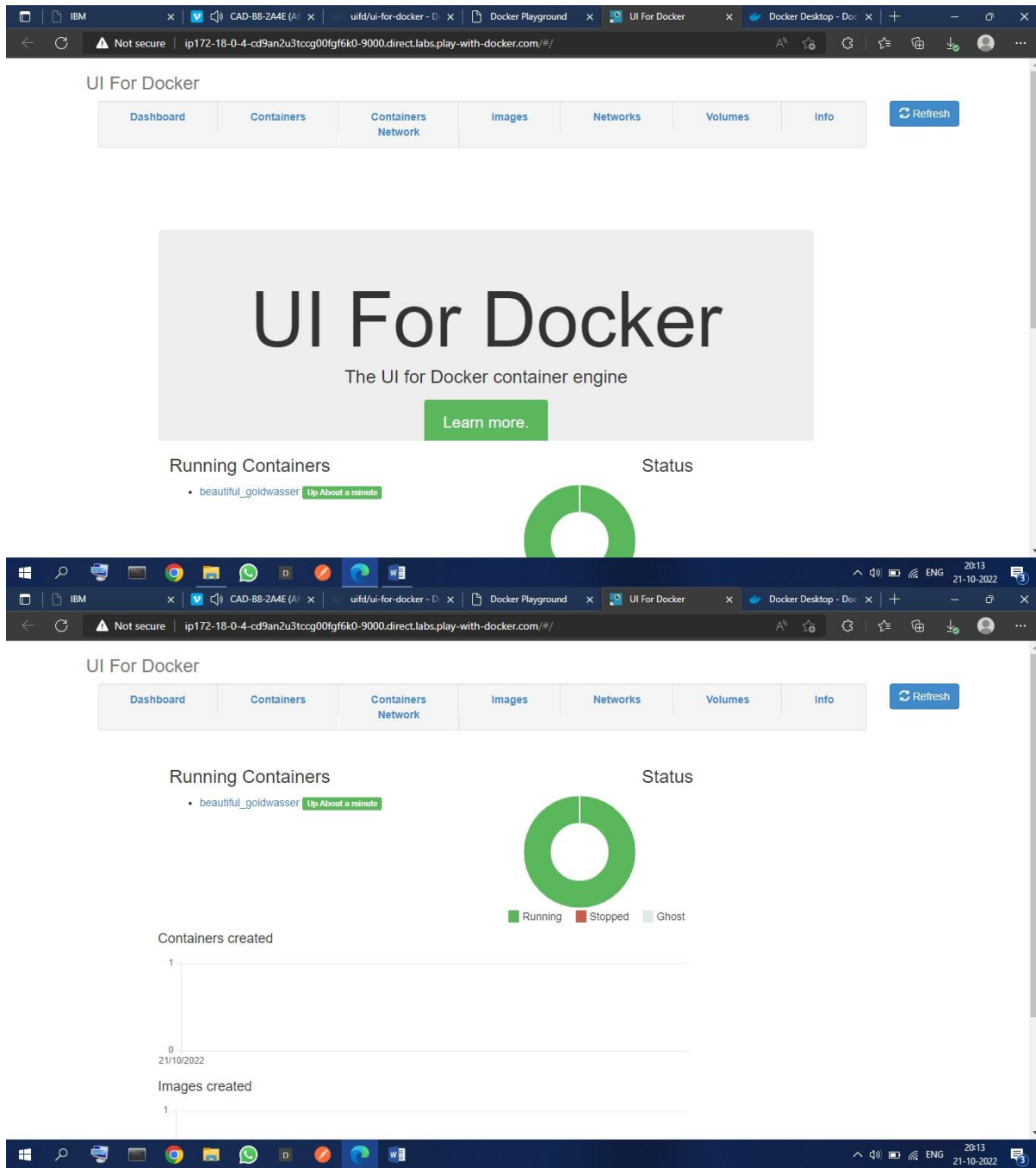


**Assignment -4**  
Docker and Kubernetes

Assignment Date	21 October 2022
Team ID	PNT2022TMID19264
Student Name	Jeevanantham V
Student Roll Number	MECR19IT022
Maximum Marks	2 Marks

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





**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:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc
-> resolve docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc
-> sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc 1.80kB / 1.80kB
-> sha256:d9974a997abec079d5ac31872359c2de519f2214c0448e926393b376d3b66d 2.22kB / 2.22kB
-> sha256:54208638007c5e3ad24c6e21fc809abbcb486a27634c0092006ff71f3f44b104 9.27kB / 9.27kB
-> sha256:0e29546d541cddb309281d21e73a9d1db78665c1b95b74f32b009e0b77a6e1e3 54.92MB / 54.92MB
-> sha256:9b829c73b52b92b7d5c07e54fb0f3e921995a296c714b53a32ae67d19231fcd 5.15MB / 5.15MB
-> sha256:cb5b7ae361722f07eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 10.87MB / 10.87MB
-> sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 54.57MB / 54.57MB
-> sha256:6f9f74896df93fe0172f594fab85e0b4e8a0481a0fefd9112efc7e4d3c78f7 196.51MB / 196.51MB
-> sha256:5e3b1213efc56598e78bd0e2983045c164de2a37205e06ae2dadab2124dc743 6.29MB / 6.29MB
-> extracting sha256:0e29546d541cddb309281d21e73a9d1db78665c1b95b74f32b009e0b77a6e1e3
-> sha256:9fd9dc5633af2a6efad7e241bf5e7459c40ed185c5478676f41c1244d96752 14.21MB / 14.21MB
-> extracting sha256:9b829c73b52b92b7d5c07e54fb0f3e921995a296c714b53a32ae67d19231fcd
-> extracting sha256:cb5b7ae361722f07eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56
-> sha256:484f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31ba07 235B / 235B
-> sha256:c4f42be2be53b900ebffcc040c1df13de53843ccc5f5d954a56848a6169a3a3f 2.21MB / 2.21MB
-> sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793
-> extracting sha256:6f9f74896df93fe0172f594fab85e0b4e8a0481a0fefd9112efc7e4d3c78f7
-> extracting sha256:5e3b1213efc56598e78bd0e2983045c164de2a37205e06ae2dadab2124dc743
-> extracting sha256:9fd9dc5633af2a6efad7e241bf5e7459c40ed185c5478676f41c1244d96752
-> extracting sha256:484f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31ba07
-> extracting sha256:c4f42be2be53b900ebffcc040c1df13de53843ccc5f5d954a56848a6169a3a3f
-> [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 ibm_db
-> exporting to image
-> writing image sha256:1756719486df002fad5dae305c5221513f2ff2d1b49a8d242b22a28af0379f19
-> 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>

Docker Desktop Upgrade plan

Containers Images Volumes Dev Environments BETA Extensions BETA Add Extensions

Images on disk Last refresh: about 1 hour ago 1 Images 0 Bytes total size Refresh to see disk usage Clean up

Images Give feedback

LOCAL REMOTE REPOSITORIES

Search

☐ In use only

NAME	TAG	IMAGE ID	CREATED	SIZE
job-portal-main	latest	1756719486df	less than a minute ago	1.08 GB

RAM 2.53GB CPU 1.56% Connected to Hub v4.13.0

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