

Assignment -4

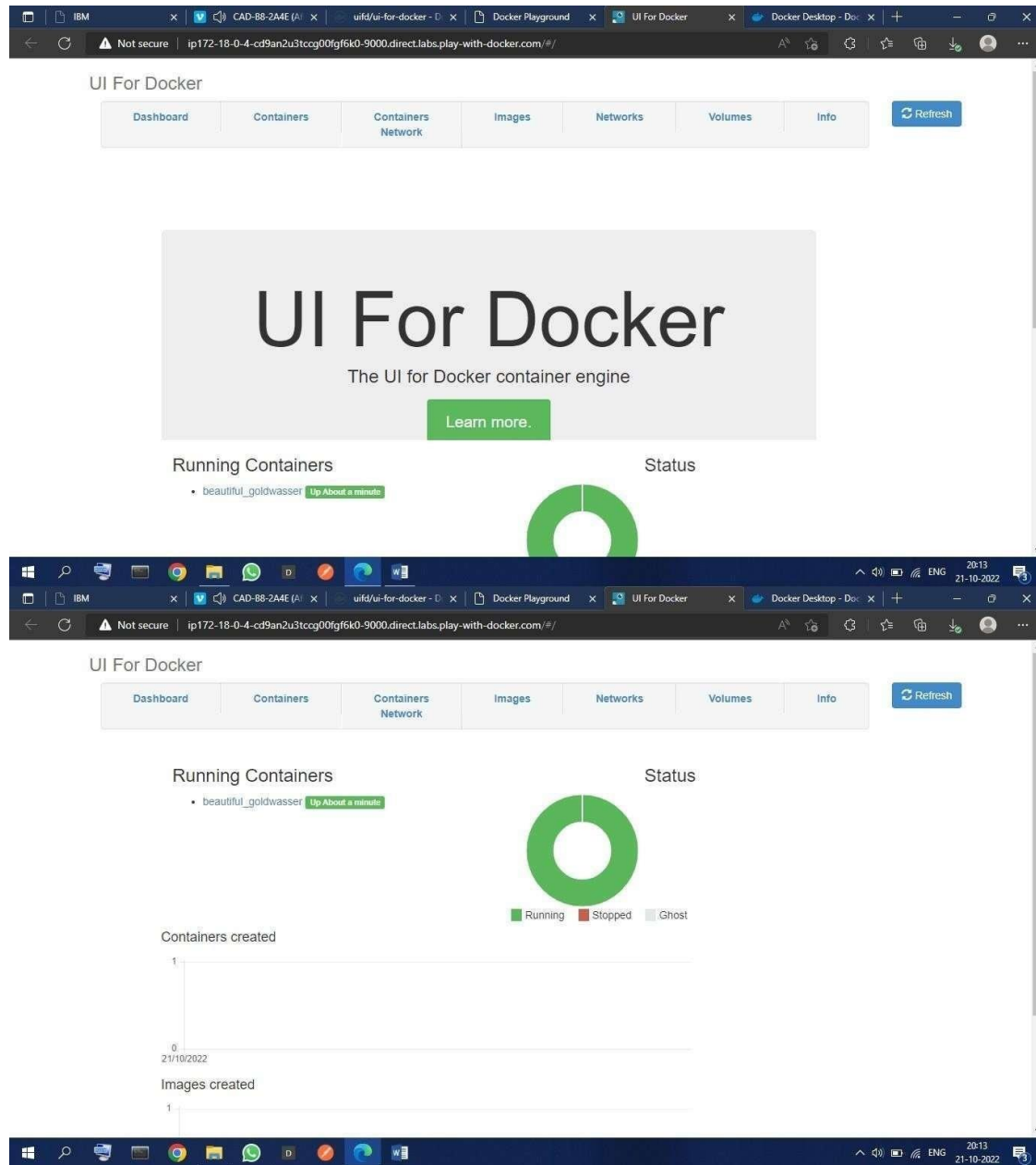
Docker and Kubernetes

Assignment Date	17 NOV 2022
Student Name	Malathi P
Student Roll Number	953419104031
Maximum Marks	2 Marks

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

The image shows a two-part process. The top part is a screenshot of the Docker Hub repository page for 'uifd/ui-for-docker'. The page indicates the repository is deprecated and points to 'portainer/portainer'. It shows the Docker Pull Command as 'docker pull uifd/ui-for-docker'. The bottom part is a screenshot of the Docker Playground interface. It shows a session titled 'cd9an2u3_cd9av060qau0008hbjso' with IP '192.168.0.13'. The terminal output shows the following commands and results:

```
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:fc371f1fa69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
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
c590dd163101ae795bdc0eb1dd98f6fe549cb5f24d4cb9ff7c1931923fc0d
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: 607B
-> [1/6] FROM docker.io/library/python:3.6@sha256:f8652afaf88c25f0d12354d547d892501067aad026a7fa9a0819df9f300af6fc
-> resolve docker.io/library/python:3.6@sha256:f8652afaf88c25f0d12354d547d892501067aad026a7fa9a0819df9f300af6fc
-> sha256:f8652afaf88c25f0d12354d547d892501067aad026a7fa9a0819df9f300af6fc 1.86kB / 1.86kB
-> sha256:d097a907a8ec79d5fac31872359c1de510f82214c0440e926393b376d3608d 2.22kB / 2.22kB
-> sha256:5420603d07c5e3ad24ce21fc889abbc048a27634c0802080f71f3f44b104 9.27kB / 9.27kB
-> sha256:0e29546d541cddb309281d21a73e9d1d078065c1b95b74f32b00e0b77a6e1e3 54.92MB / 54.92MB
-> sha256:0b029c73b52002b97d5c07a4f00f3e921095a29cc714b53a32ee7d19231fc0 5.15MB / 5.15MB
-> sha256:d307ee3b1722f070ec23f35823e211aa5d01d0d95c2a95a530740c0d54 10.87MB / 10.87MB
-> sha256:6a94e4811622b31c027ccac32ca463037f4085f50a93e6f15c01aade718793 54.57MB / 54.57MB
-> sha256:0f9f74806df03f0e1721504fab85e0b4e0a0481a0f0fd0112efc7e4d3c78f7 196.51MB / 196.51MB
-> sha256:5e3b1213efc50590e78bd002083045c164de2a37205e06a02dada23124dc743 6.20MB / 6.20MB
-> extracting sha256:0e29546d541cddb309281d21a73e9d1d078065c1b95b74f32b00e0b77a6e1e3
-> sha256:9fdddc5c334f2e6efad7c2d11f927a59c4e4d18c5478070f41c1244a00702 14.21MB / 14.21MB
-> extracting sha256:9fdddc5c334f2e6efad7c2d11f927a59c4e4d18c5478070f41c1244a00702 14.21MB / 14.21MB
-> extracting sha256:cb0b7ae61722f070ec23f35823e211aa5d01d0d95c2a95a530740c0d54 4.05
-> sha256:404f02044ac0432ca522cbb9f254b1c91fcea0800bfeef06e0b243b2f31ba07 235B / 235B
-> sha256:c4f42be2be53b00ebffcb040c1df13de530434ccc5f5d954a56048a6160a3a3f 2.21MB / 2.21MB
-> extracting sha256:6a94e4811622b31c027ccac32ca463037f4085f50a93e6f15c01aade718793
-> extracting sha256:0f9f74806df03f0e1721504fab85e0b4e0a0481a0f0fd0112efc7e4d3c78f7
-> extracting sha256:5e3b1213efc50590e78bd002083045c164de2a37205e06a02dada23124dc743
-> extracting sha256:9fdddc5c334f2e6efad7c2d11f927a59c4e4d18c5478070f41c1244a00702
-> extracting sha256:404f02044ac0432ca522cbb9f254b1c91fcea0800bfeef06e0b243b2f31ba07
-> extracting sha256:c4f42be2be53b00ebffcb040c1df13de530434ccc5f5d954a56048a6160a3a3f
-> [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 layers
-> writing image sha256:1756719486df002fad5dae305c5221513f2ff2d1b49a8d242b32a28af037919
-> 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

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