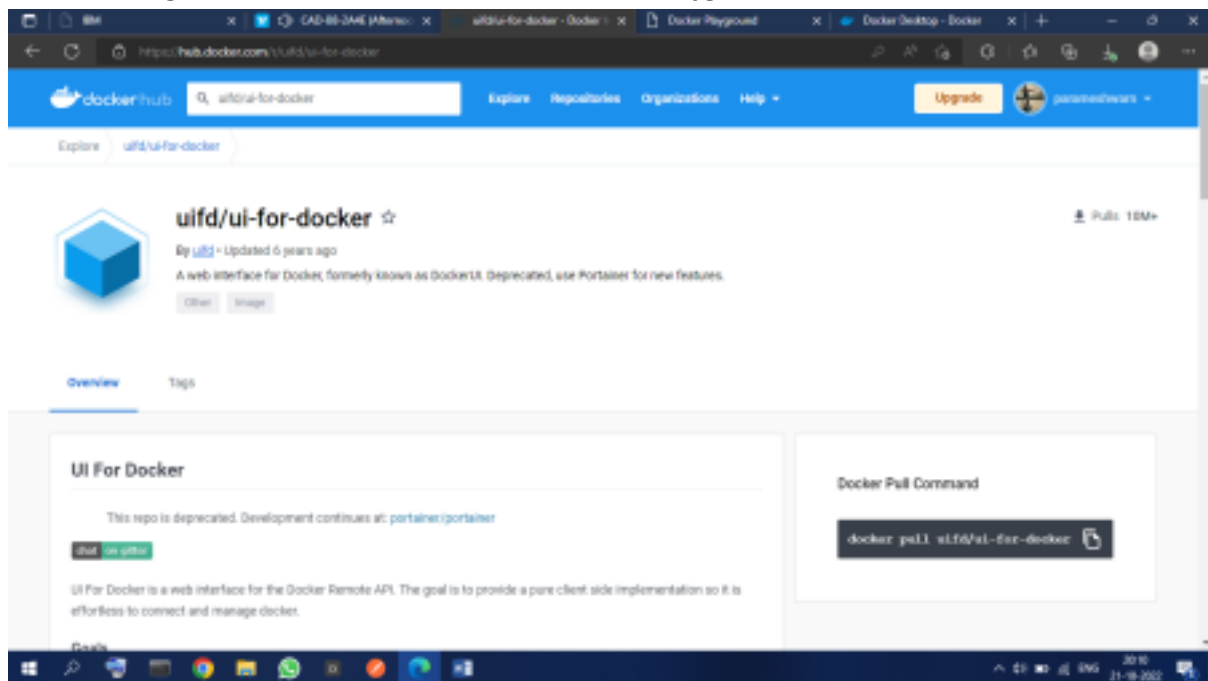


Assignment -4
Docker and Kubernetes

Assignment Date	9 November 2022
Student Name	SAMEEMAPARVEEN U
Student Roll Number	821019104041
Maximum Marks	2 Marks

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



03:42:30

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.8.13
node1

cd9an2u3_cd9av060qau0008hbjso

IP: 192.168.8.13 OPEN PORT

Memory CPU

SSH
ssh ip172-18-0-4-cd9an2u3cd9av060qau0008hbjso@direct.labs.play-with-docker.com

DELETE EDITOR

```
# This is a sandbox environment. Using personal credentials  
# is HIGHLY discouraged. Any consequences of doing so are  
# completely the user's responsibility.  
#  
# The PWD team.  
=====
```

```
root@192.168.8.13 ~  
# docker pull ui5d/ui-for-docker  
Using default tag: latest  
latest: Pulling from ui5d/ui-for-docker  
4411964080ad: Pull complete  
Digest: sha256:1e371ff25a69545263b24973a5ab1244dd4c0b434cbad244878572150b1cb749  
Status: Downloaded newer image for ui5d/ui-for-docker:latest  
docker.io/ui5d/ui-for-docker:latest  
# docker run -d -p 9000:9000 --privileged --name /usr/run/docker-mock /usr/run/docker-mock ui5d/ui-for-docker  
c53b4d163101ae795d0ca6eb3dd58f565493b5f24dc99ff7c1931923fc8d  
root@192.168.8.13 ~
```

UI For Docker

Dashboard Containers Containers Network Images Networks Volumes Info Refresh

UI For Docker

The UI for Docker container engine

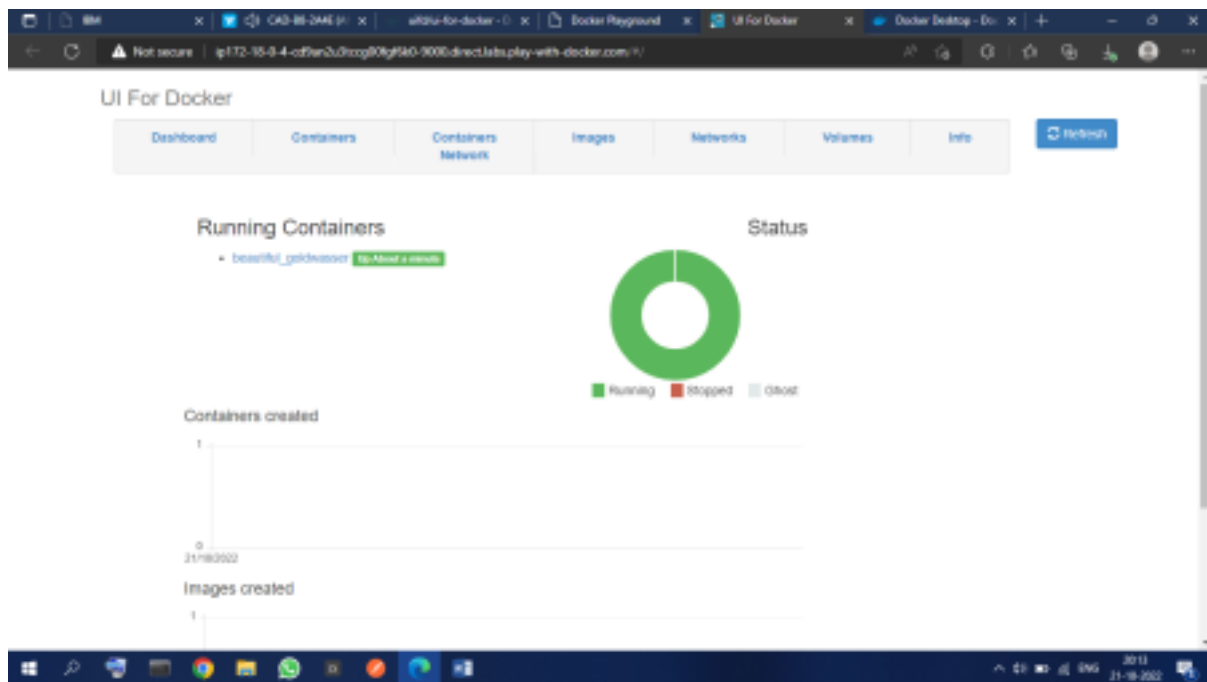
Learn more.

Running Containers

• beautiful_goldwasser Up About a minute

Status



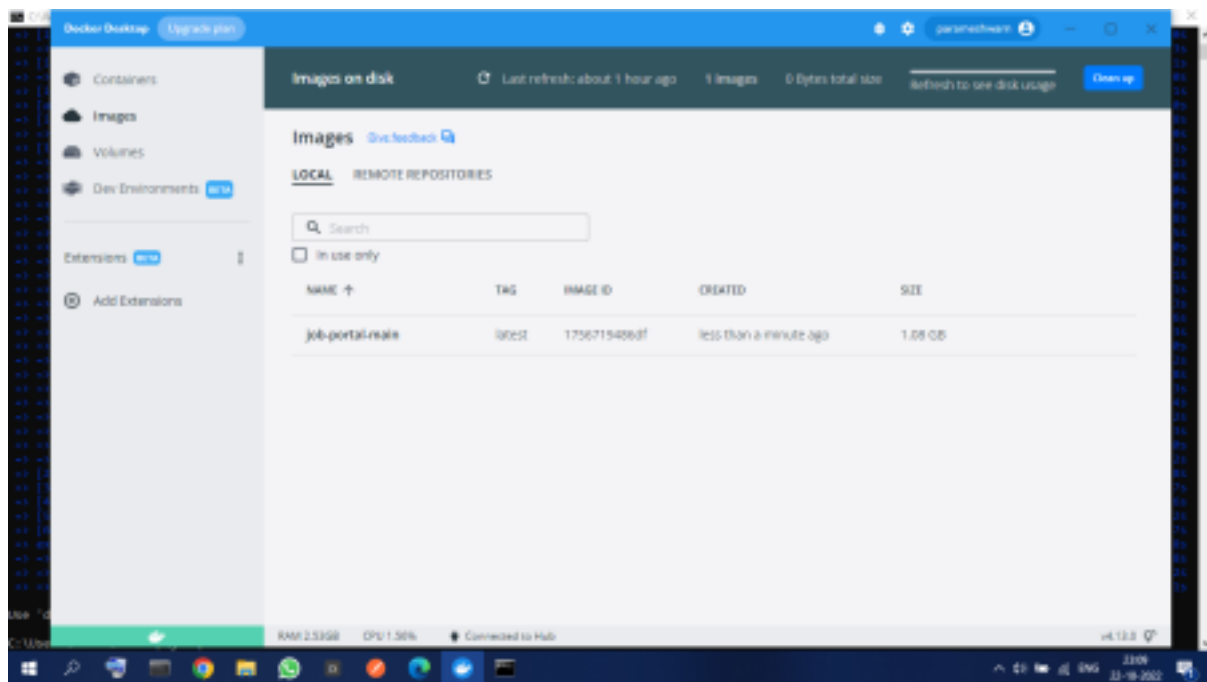


2.Create a docker file for the job portal application and deploy it in Docker desktop application

```

C:\Windows\system32\cmd.exe
[Internal] load build definition from dockerfile
[+] transferring dockerfile: 518
[Internal] load .dockerignore
[+] transferring context: 26
[Internal] load metadata for docker.io/library/python:3.8
[auth] library/python:pull token for registry-1.docker.io
[Internal] load build context
[+] transferring context: 502
[+] 1/5: FROM docker.io/library/python:3.8@sha256:f9651afaf80c25f9621354d5424031501867a4d826a77ab6032a0f930a494fc
[+] resolve docker.io/library/python:3.8@sha256:f9651afaf80c25f9621354d5424031501867a4d826a77ab6032a0f930a494fc
[+] sha256:f9651afaf80c25f9621354d5424031501867a4d826a77ab6032a0f930a494fc 1.86kB / 1.86kB
[+] sha256:6907a807ade0d7bafac31872358c3d8508821334c843e93e303b37ad00a6d 2.22kB / 2.22kB
[+] sha256:54168033687c5c1ad34c6a21fc808abdc8406a21834c083280cf771f74403184 9.27kB / 9.27kB
[+] sha256:6e25546d541c8dc30920321a738d1031905c1305574712080e0b77ad81a3 54.21kB / 54.21kB
[+] sha256:90026c736324618785c87a8d4baf5a921899a296c714833a32a9670381314d 8.11kB / 8.11kB
[+] sha256:c9597ac301721400e0a5375823e412ba05401d5497c8f4974953070a0c405 18.87kB / 18.87kB
[+] sha256:540944811312b31007cc8c3221946382778687558c03a0f11c03a0e738793 14.57kB / 14.57kB
[+] sha256:8f9d7489d4fa0f402727084fab08b0d4084821a0f4a202124fc764d317677 206.52kB / 206.52kB
[+] sha256:5e181233e915958a78a4602083945c344ad4372094e6a634a482113441743 4.29kB / 4.29kB
[+] extracting sha256:6e25546d541c8dc30920321a738d1031905c1305574712080e0b77ad81a3
[+] sha256:9f007d3363d4f2a60ad7a3411f7a7439c4062185c5478518745c1244b086752 54.21kB / 54.21kB
[+] extracting sha256:90026c736324618785c87a8d4baf5a921899a296c714833a32a9670381314d
[+] extracting sha256:c9597ac301721400e0a5375823e412ba05401d5497c8f4974953070a0c405
[+] sha256:48f3963444b4ac812ca513109f25491c91f1a05065f4e6048143d7320a87 2.03B / 2.03B
[+] sha256:c4f02630e01900a4f4c048c13f1320e338181cc0f308d4a04840093a0f 2.21kB / 2.21kB
[+] extracting sha256:6404a811821831c027c3c322c43181778095f506a01a0f15a81a0d732793
[+] extracting sha256:c9597ac301721400e0a5375823e412ba05401d5497c8f4974953070a0c405
[+] extracting sha256:5e181233e915958a78a4602083945c344ad4372094e6a634a482113441743
[+] extracting sha256:9f007d3363d4f2a60ad7a3411f7a7439c4062185c5478518745c1244b086752
[+] extracting sha256:48f3963444b4ac812ca513109f25491c91f1a05065f4e6048143d7320a87
[+] extracting sha256:c4f02630e01900a4f4c048c13f1320e338181cc0f308d4a04840093a0f
[+] sha256:c4f02630e01900a4f4c048c13f1320e338181cc0f308d4a04840093a0f
[+] [WORKDIR /app]
[+] [ADD . /app]
[+] [COPY requirements.txt /app]
[+] [RUN python3 -m pip install -r requirements.txt]
[+] [RUN python3 -m pip install flask]
[+] exporting to image
[+] exporting layers
[+] writing image sha256:179a1808dfe0f4ad0a589c1121329343d18a0d1c20d2a3a8187910e
[+] naming to docker.io/library/job-portal-main
See 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
C:\Users\WK-PC\Desktop\job-portal-main>

```



3.Create a IBM container registry and deploy helloworld app