DOCKER AND KUBERNETES

Assignment Date	27 October 2022
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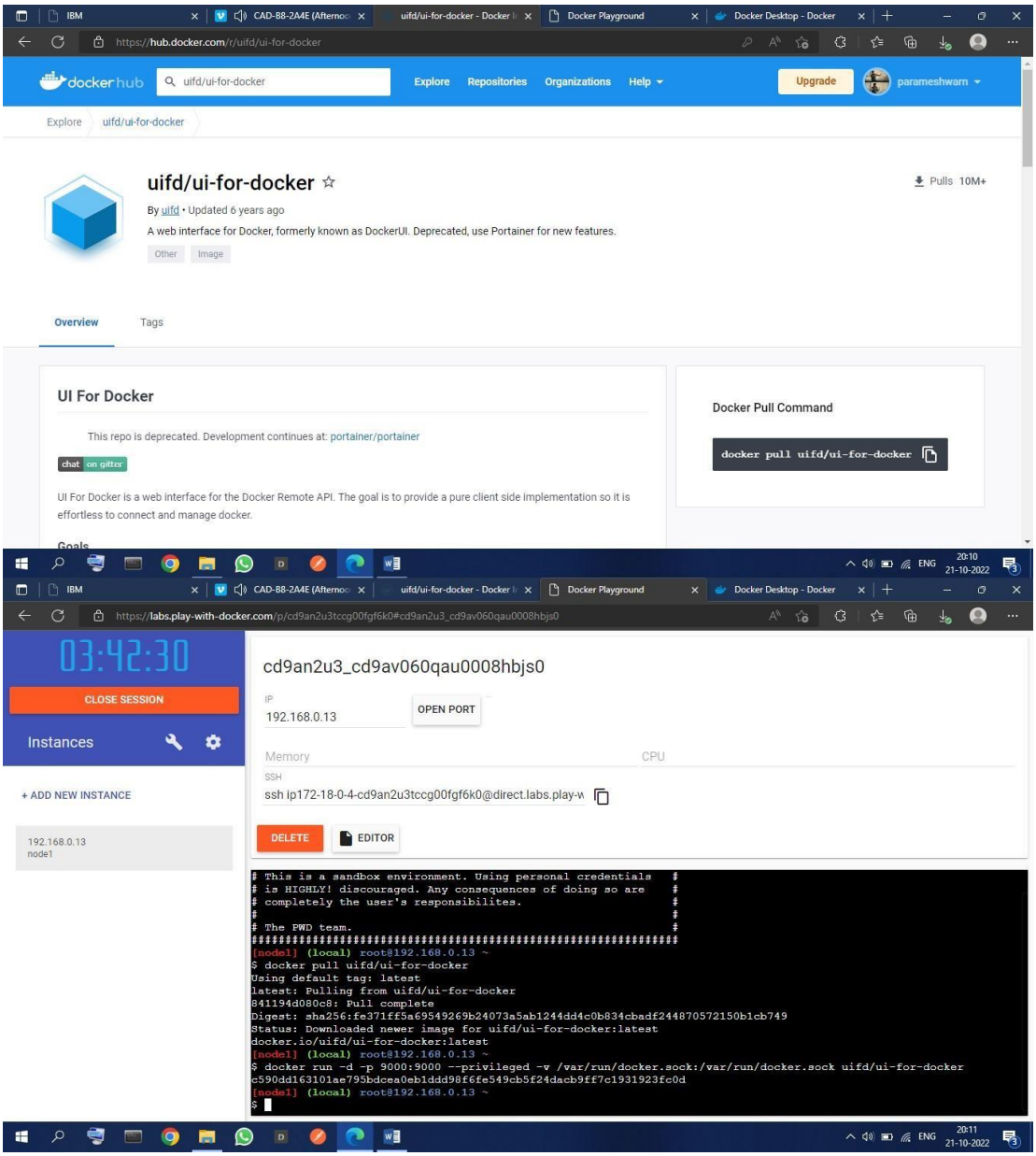
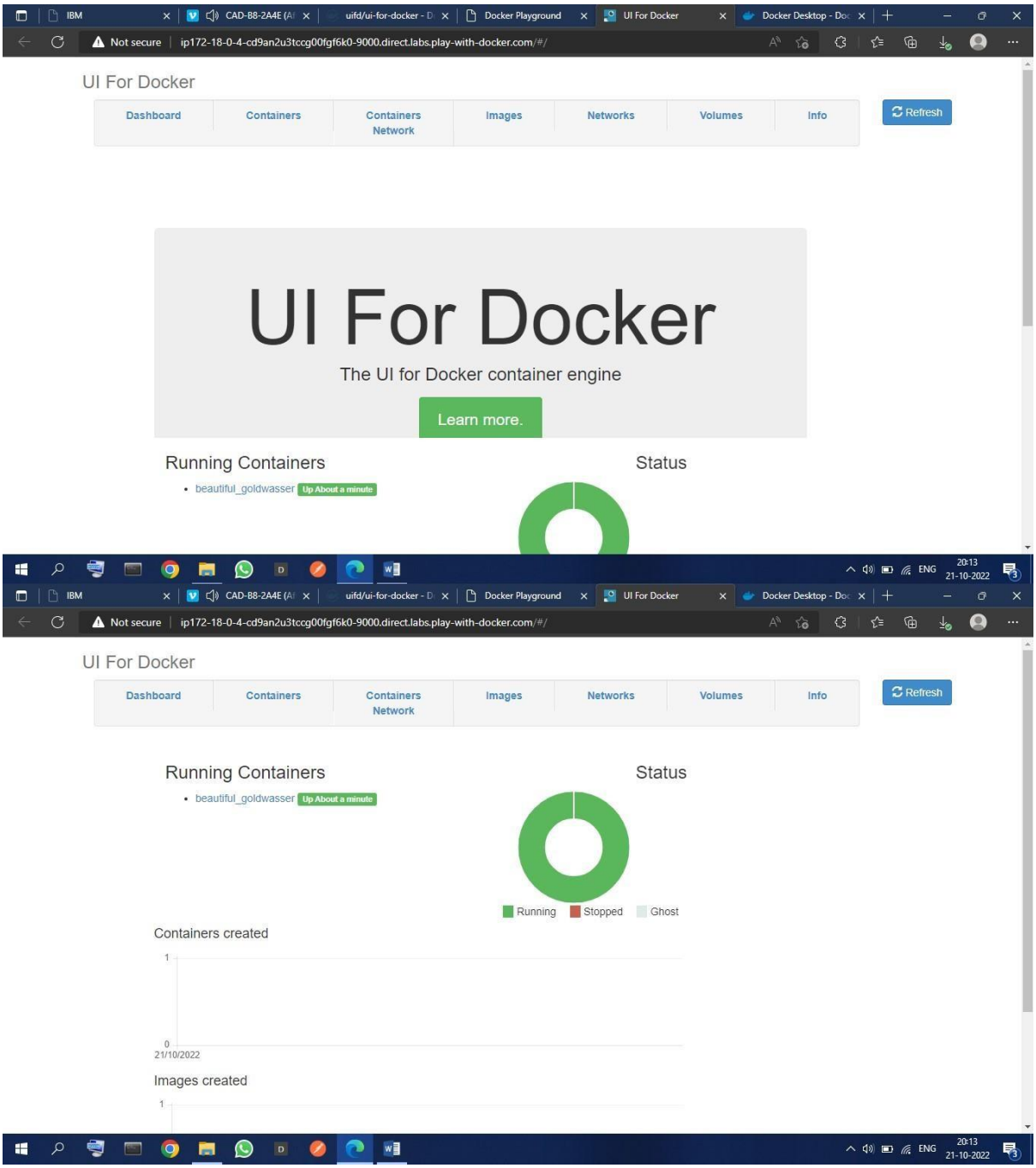
Student Roll Number	AC19UIT053
Maximum Marks	2 Marks

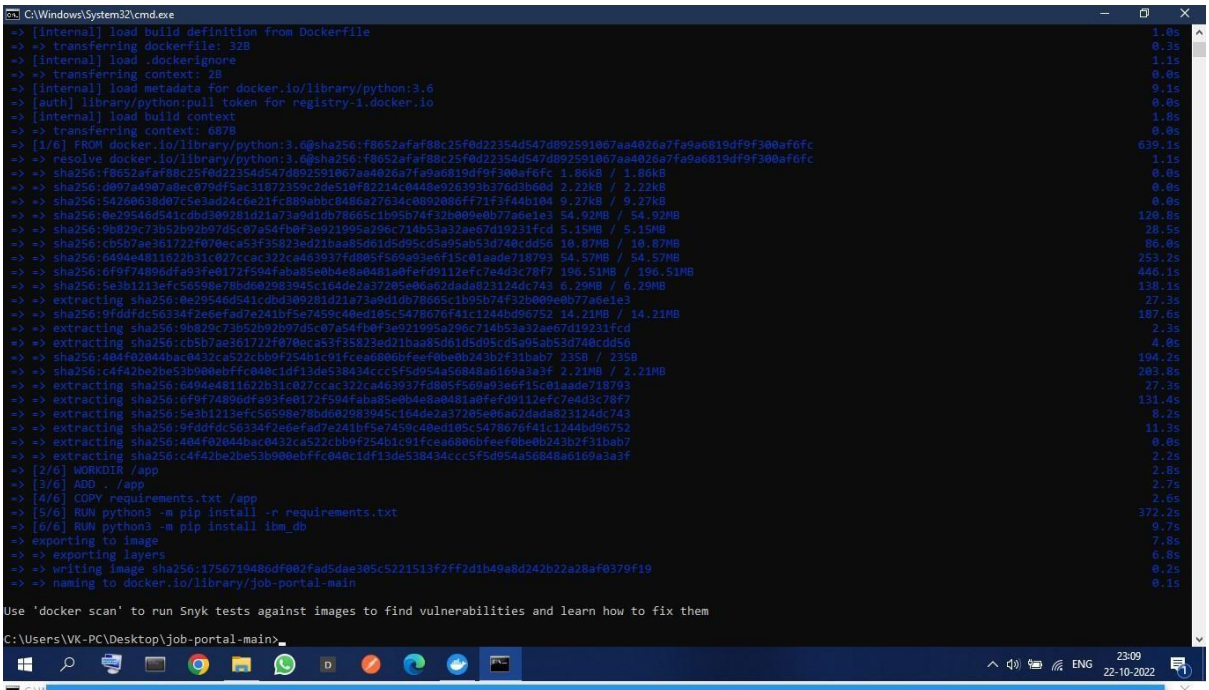
1. **Pull an image from docker hub and run it in docker Playground and**
2. **Create a docker file for the job portal application and deploy it in Docker desktop application**

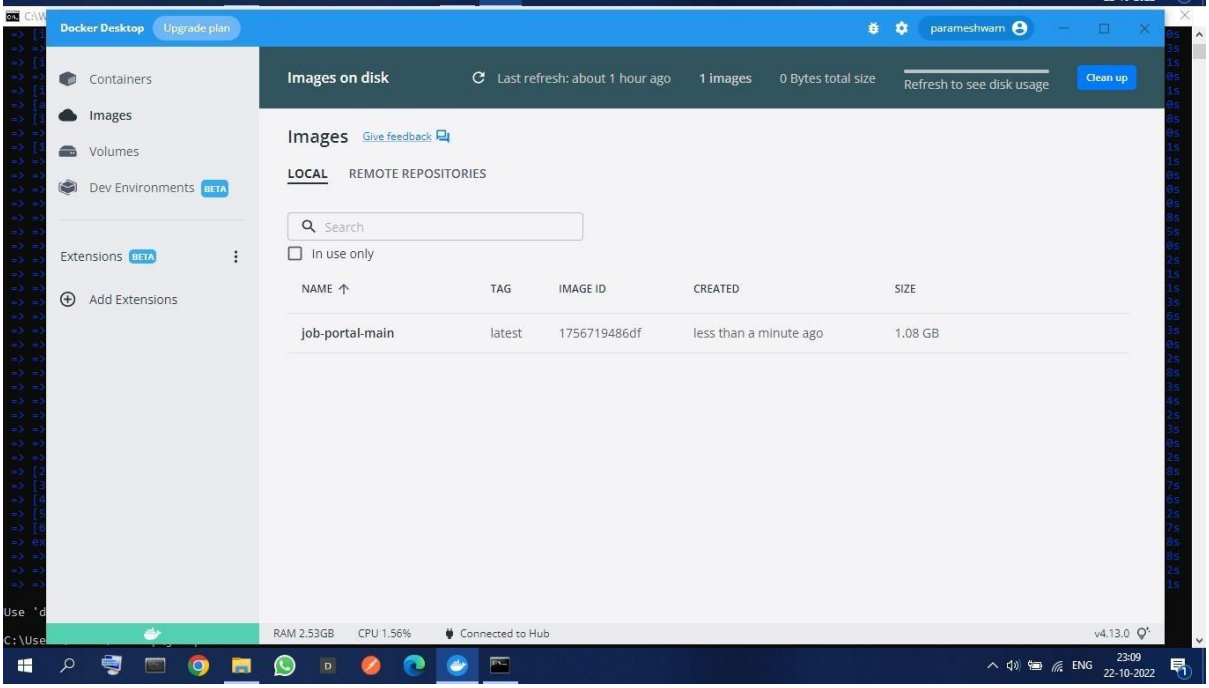


3.Create an IBM container registry and deploy helloworld or job portal app.



4.Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal app image and also expose the same app to run in nodeport.


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 1.86kB / 1.86kB
=> => sha256:d007a4907a8ec070df5ac31872359c2de610f82214c0448e926393b376d3b60d 2.22kB / 2.22kB
=> => sha256:54260638d07c5e3ad24c6e21fc889abbc04866a27634c0892086ff71f3f44b104 9.27kB / 9.27kB
=> => sha256:0e29546d541cdbd309281d21a73a9d1db7866bc1b95b74f32b009e0b77a6e1e3 54.92MB / 54.92MB
=> => sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 5.15MB / 5.15MB
=> => sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 10.87MB / 10.87MB
=> => sha256:6494e48111622b31c027ccac322ca463937fd805f589a93e6f15c01aade718793 54.57MB / 54.57MB
=> => sha256:6f9f74896dfa93fe0172f594faba85e0b4e8a0481a0fefd9112efc7e4d3c78f7 196.51MB / 196.51MB
=> => sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62dada823124dc743 6.29MB / 6.29MB
=> => extracting sha256:0e29546d541cdbd309281d21a73a9d1db7866bc1b95b74f32b009e0b77a6e1e3
=> => sha256:9fddfdc56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 14.21MB / 14.21MB
=> => extracting sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd
=> => extracting sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56
=> => sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31bab7 235B / 235B
=> => sha256:c4f42be2be53b900ebffc040c1df13de538434cccc5f5d954a56848a6169a3a3f 2.21MB / 2.21MB
=> => extracting sha256:6494e4811622b31c027ccac322ca463937fd805f589a93e6f15c01aade718793
=> => extracting sha256:6f9f74896dfa93fe0172f594faba85e0b4e8a0481a0fefd9112efc7e4d3c78f7
=> => extracting sha256:5e3b1213efc56598e78bd602983945c164de2a3720e06a62dada823124dc743
=> => extracting sha256:9fddfdc56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752
=> => extracting sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31bab7
=> => extracting sha256:c4f42be2be53b900ebffc040c1df13de538434cccc5f5d954a56848a6169a3a3f
=> [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
=> => exporting layers
=> => 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>
ENG
23:09
22-10-2022


Docker Desktop
Upgrade plan
parameshwarn
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
ENG
23:09
22-10-2022