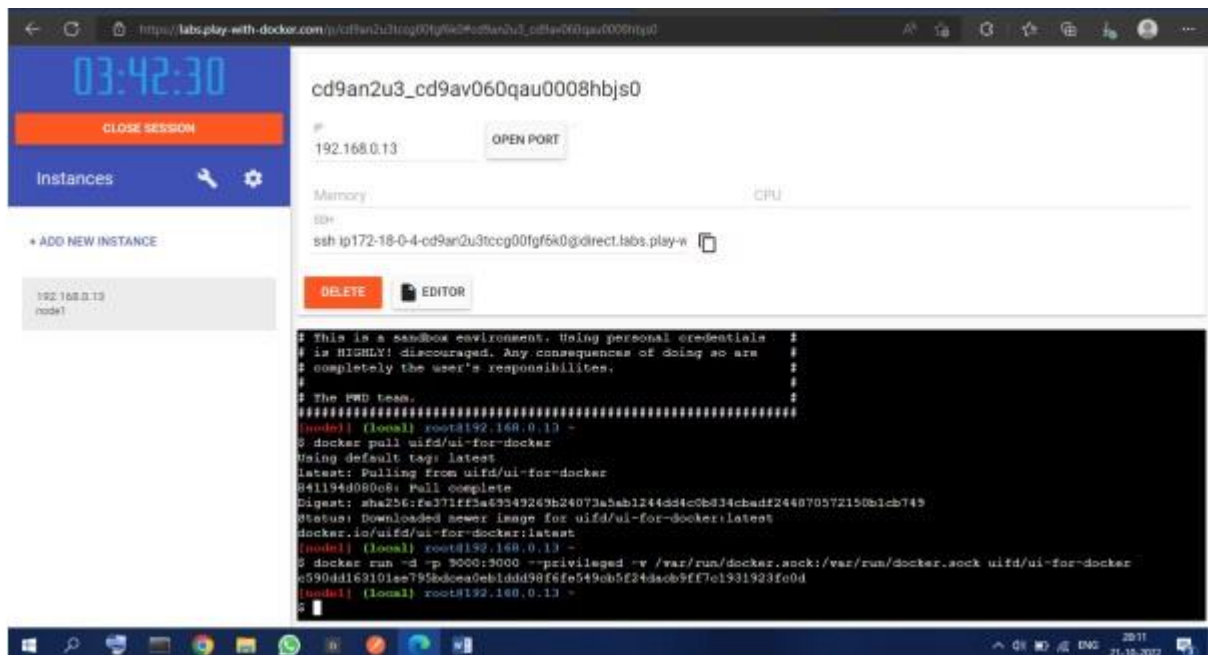
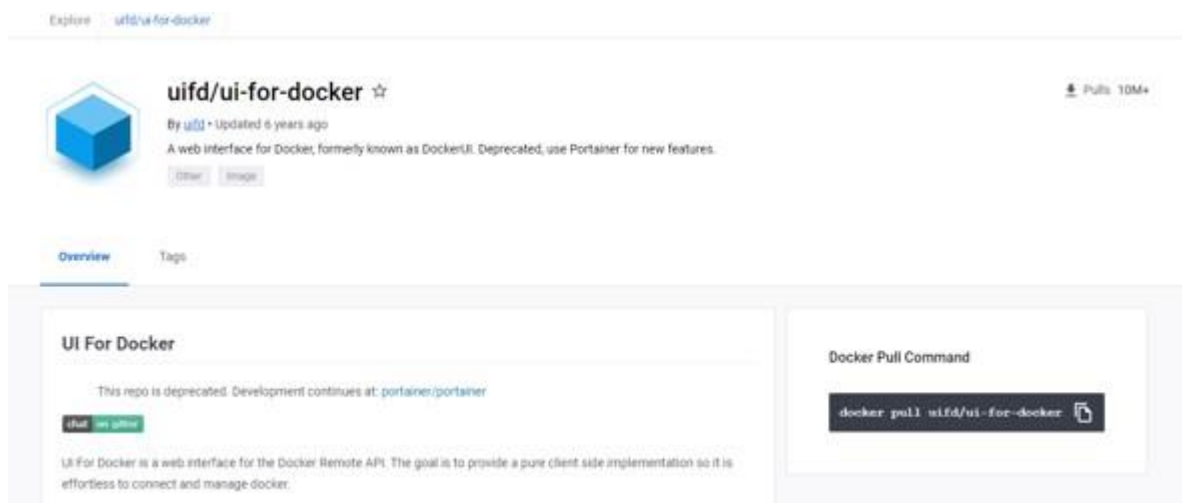


Assignment -4

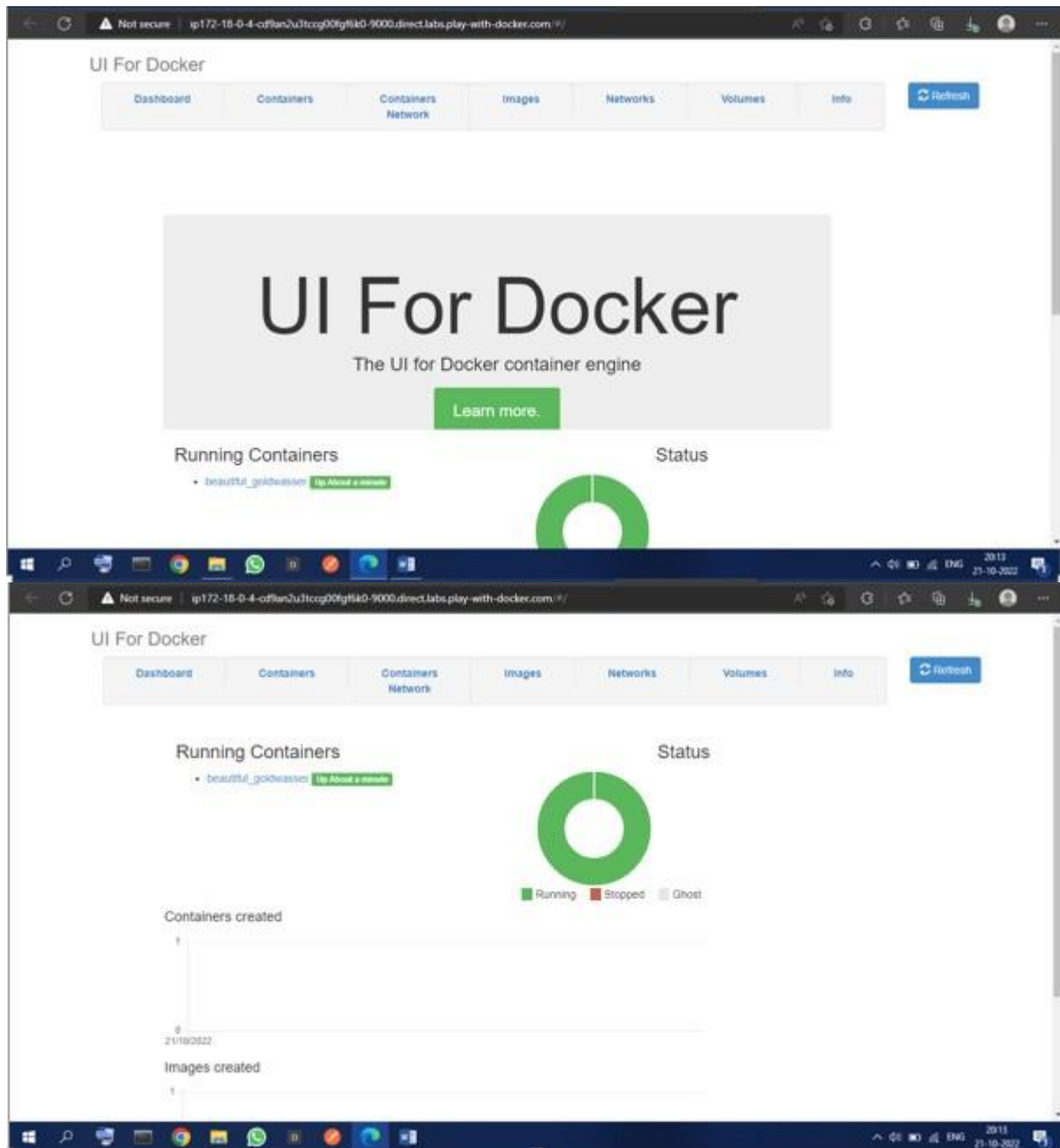
Docker and Kubernetes

Assignment Date	21 October 2022
Team ID	PNT2022TMID22144
Project Name	Skill based job recommender
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



3.Create a IBM container registry and deploy helloworld app

The image shows a Windows command prompt window running a Docker build command. The output displays the progress of building a Docker image, including layer extraction, metadata loading, and image resolution. The build process is successful, resulting in a new image named 'job-portal-main' with a size of 1.08 GB.

```
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:d0974a907a8ec079df5ac31872359c2de510f82214c0448e926393b376d3b60d 2.22kB / 2.22kB
-> sha256:54206038d07c5e3ad24c6e21fc889abbcb486a27634c0892086ff71f3f44b104 9.27kB / 9.27kB
-> sha256:0e29546d541cddb309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3 54.92MB / 54.92MB
-> sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 2.35B / 2.35B
-> sha256:cb5b7ae361722f070eca53f35823ed21baa8561d5d95c05a95ab53d740cdd56 10.87MB / 10.87MB
-> sha256:6494e4811622b31c027ccac322ca463937fd805f560a9366f15c01aade718793 54.57MB / 54.57MB
-> sha256:6f9f74896df93fe0172f594fab85e0b4e8a0481a0fef0d112efc7e4d3c78f7 196.51MB / 196.51MB
-> sha256:5e3b1213efc56598e78bd0e2983945c164de2a37205e06a62dada823124dc743 6.29MB / 6.29MB
-> extracting sha256:0e29546d541cddb309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3
-> sha256:9fddfd56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 14.21MB / 14.21MB
-> extracting sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd
-> sha256:cb5b7ae361722f070eca53f35823ed21baa8561d5d95c05a95ab53d740cdd56 4.05B / 4.05B
-> sha256:404f02044bac0432ca522cb9f254b1c91fcea6806bfeef0be0b243b2f31bab7 235B / 235B
-> sha256:c4f42be2be53b900ebffcc040c1df13de538434ccc5f5d954a56848a6169a3a3f 2.21MB / 2.21MB
-> extracting sha256:6494e4811622b31c027ccac322ca463937fd805f560a9366f15c01aade718793
-> sha256:6f9f74896df93fe0172f594fab85e0b4e8a0481a0fef0d112efc7e4d3c78f7 131.45B / 131.45B
-> extracting sha256:5e3b1213efc56598e78bd0e2983945c164de2a37205e06a62dada823124dc743 8.25B / 8.25B
-> extracting sha256:9fddfd56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 11.33B / 11.33B
-> extracting sha256:404f02044bac0432ca522cb9f254b1c91fcea6806bfeef0be0b243b2f31bab7 0.05B / 0.05B
-> extracting sha256:c4f42be2be53b900ebffcc040c1df13de538434ccc5f5d954a56848a6169a3a3f 2.25B / 2.25B
-> [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
-> 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>
```

The Docker Desktop interface shows the 'Images on disk' section with a table of local images:

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

The status bar at the bottom indicates RAM usage (2.53GB), CPU usage (1.56%), and connection to the Hub.