Assignment -4
News Tracker Application – Kubernetes / Docker

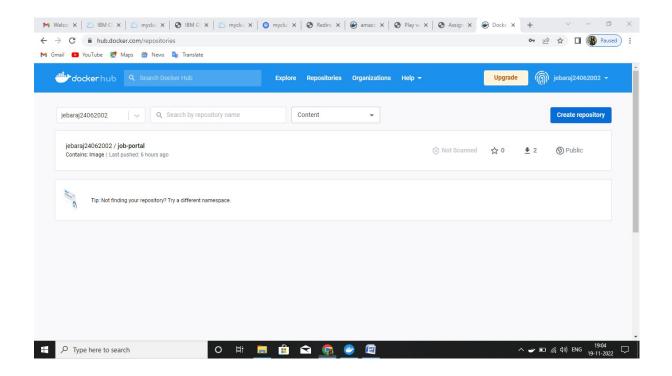
| <u> </u> | |
|---------------------|-----------------|
| Assignment Date | 20 October 2022 |
| Student Name | JEBARAJ L |
| Student Roll Number | 953719104021 |
| Maximum Marks | 2 Marks |

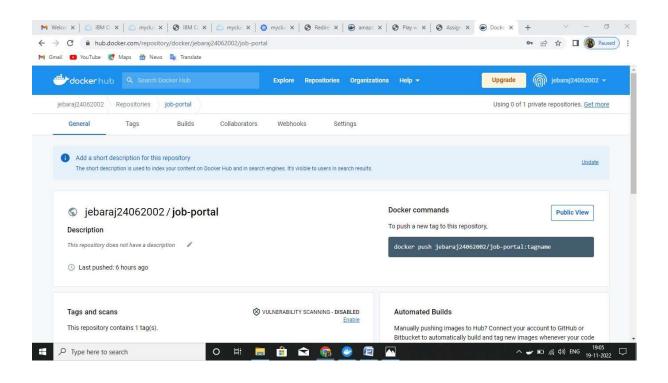
Question-1:

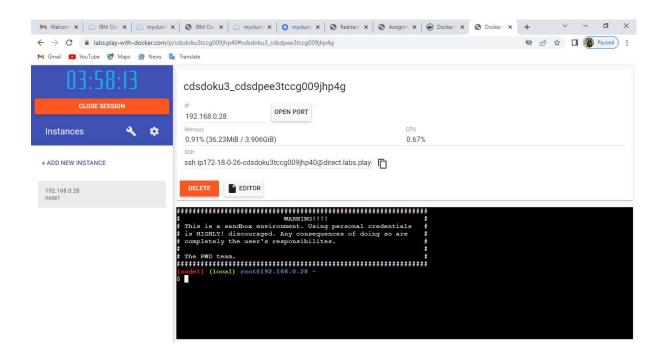
- 1. Pull an Image from docker hub and run it in docker playground.
- 2. Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.
- 3. Create a IBM container registry and push docker image of flask application or job portal app.
- 4. Create a Kubernetes cluster in IBM cloud and deploy flask application image or job portal image and also expose the same app to run in Nodeport.

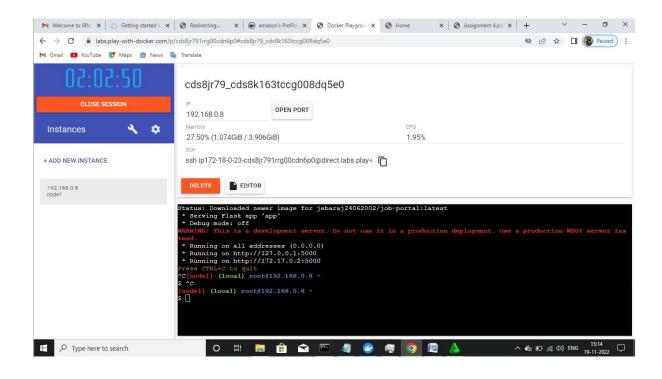
Solution: **All the required files are uploaded in the Assignments/Prince Vasantharaj R (Team Lead)/Assignment 4 folder in the Git repo. Please verify it sir/mam.

Step 1: Pull an Image from docker hub and run it in docker playground.

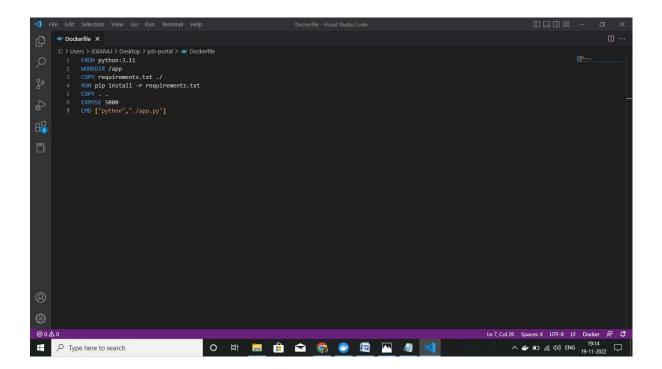


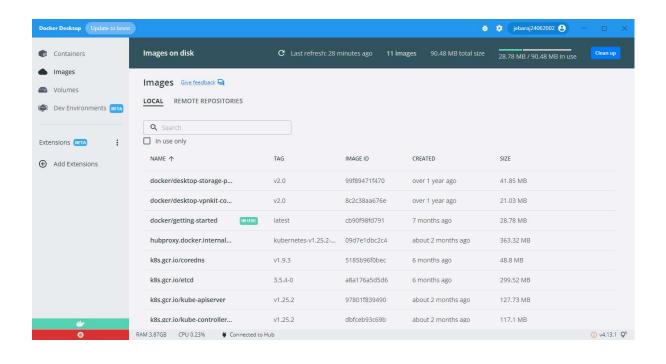


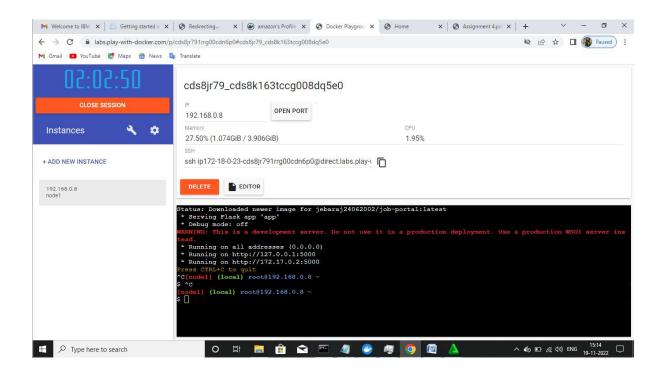




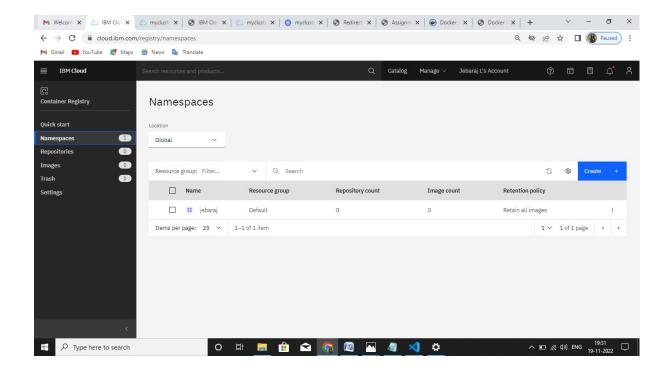
Step 2: Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.



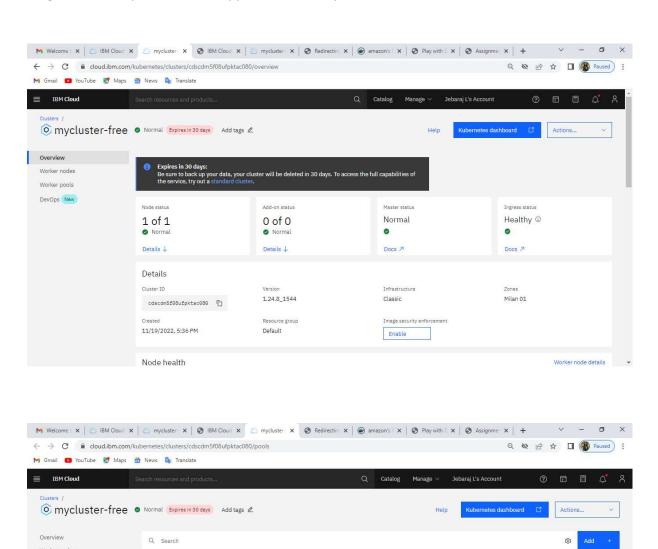




Step 3: Create a IBM container registry and push docker image of flask application or job portal app.



Step 4: Create a Kubernetes cluster in IBM cloud and deploy flask application image or job portal image and also expose the same app to run in Nodeport.



Workers per zone

Name

default

Worker pools

DevOps New

Zones

Milan 01

Items per page: 25 ∨ 1–1 of 1 item

Status

Active

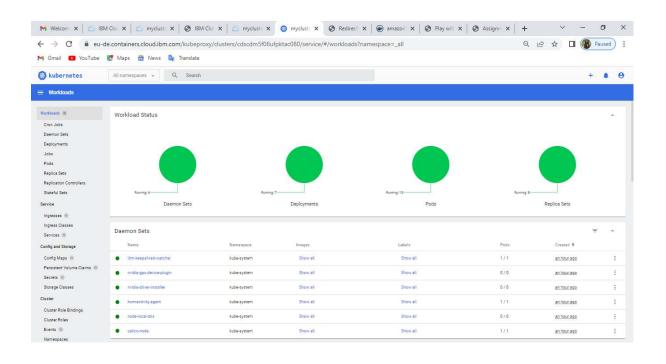
Actual / Declared workers

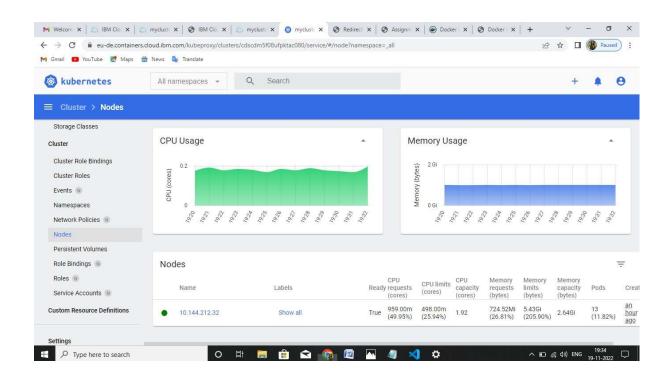
1/1

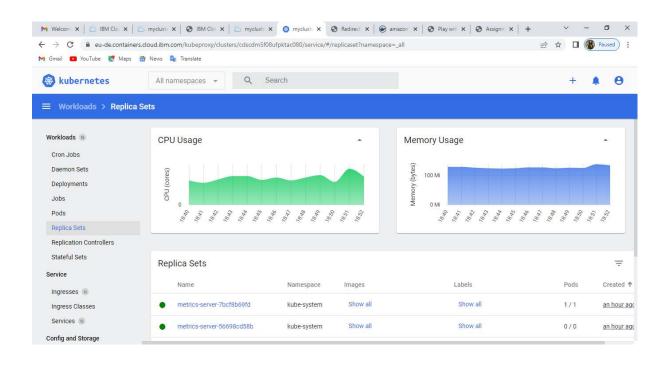
Flavor

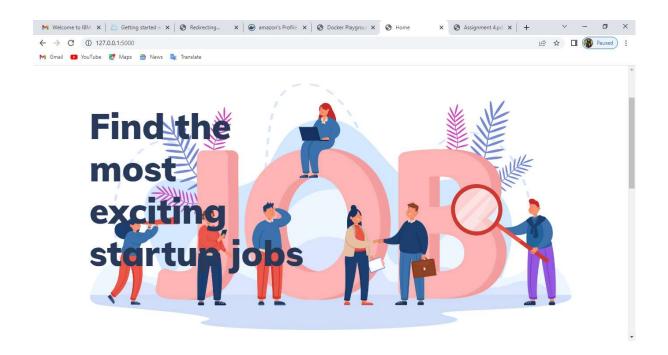
Free - 2 vCPUs 4GB RAM

1 ∨ 1 of 1 page ← →

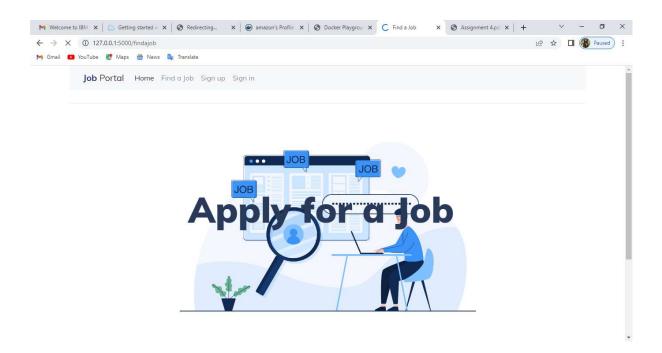


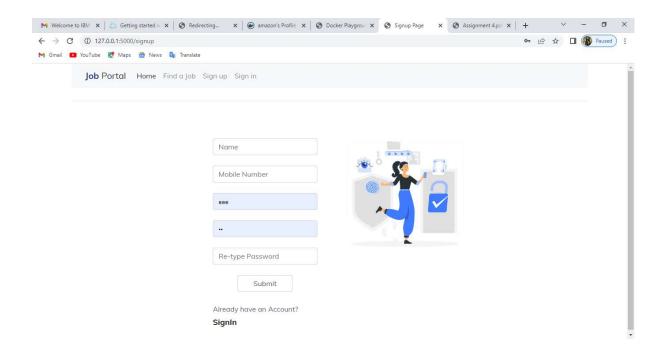


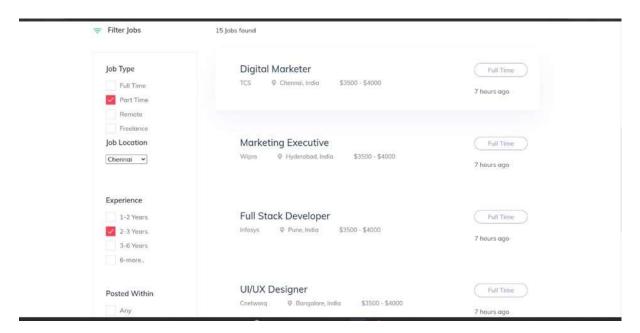


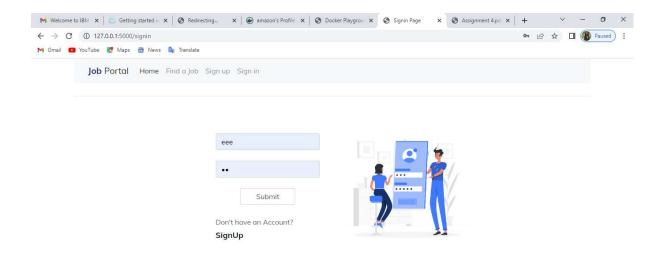












View the deployed Job-portal flask application by clicking the below link:

http://159.122.178.141:30614/