Assignment -4

Inventory Management System for Retailers - Kubernetes / Docker

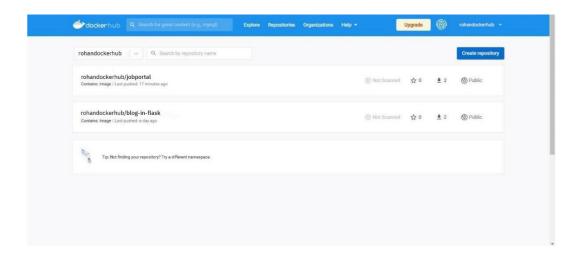
Assignment Date	16 November 2022
Student Name	ROHAN MURALI NAIR
Student Roll Number	721419104036
Maximum Marks	2 Marks

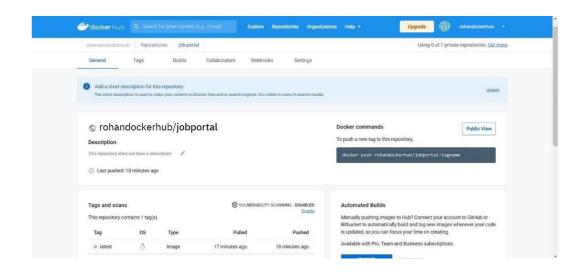
Question-1:

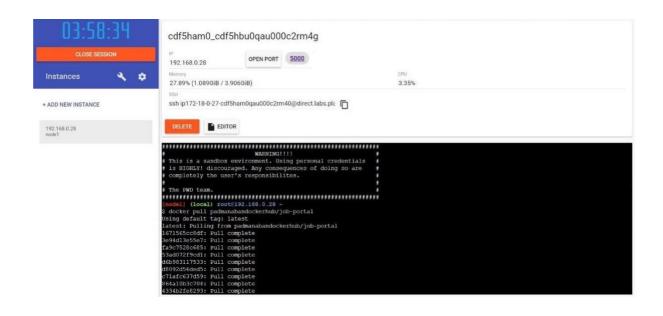
- 1. Pull an Image from docker hub and run it in docker playground.
- 2. Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.
- 3. Create a IBM container registry and push docker image of flask application or job portal app.
- 4. Create a Kubernetes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

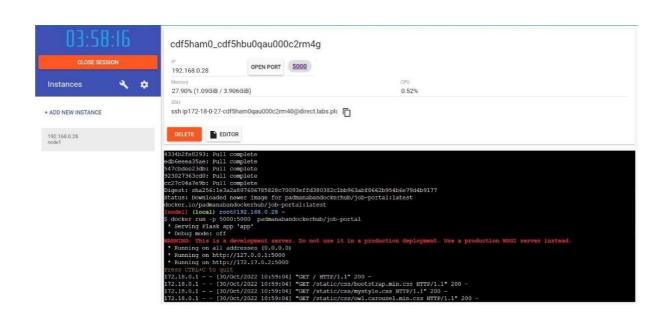
Solution: **All the required files are uploaded in the ASSIGNMENTS/Rohan/ASSIGNMENT 4 folder in the Git repo. Please verify it sir/mam.

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













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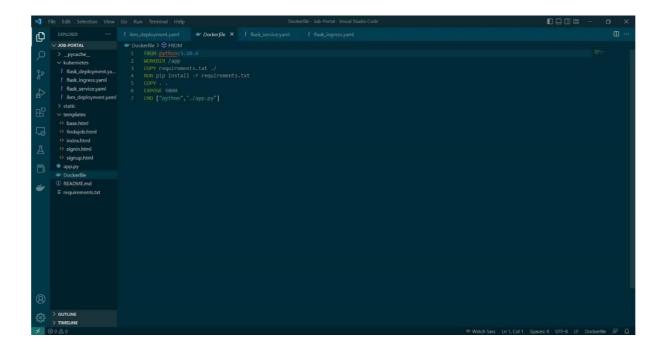
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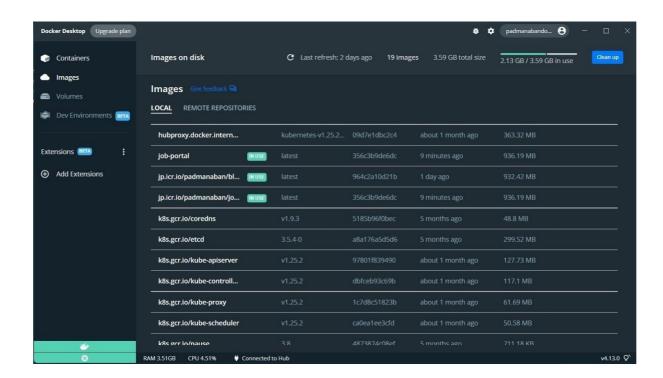
SignIn

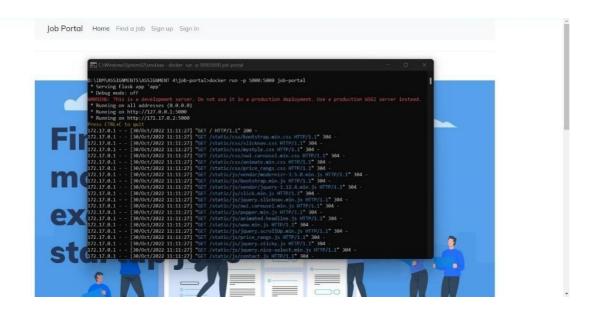
Job Portal Home Find a Job Sign up Sign in

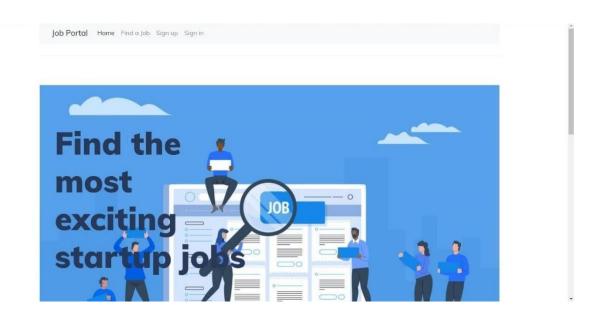


Step 2: Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.

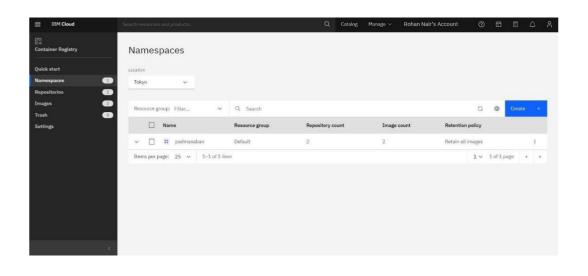


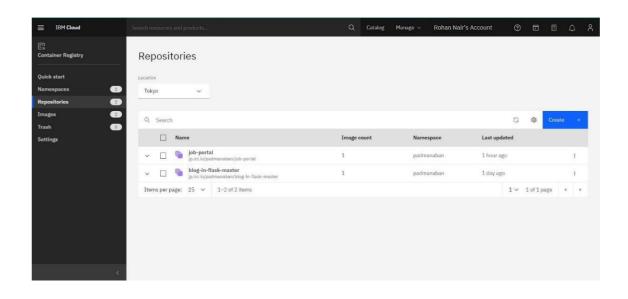




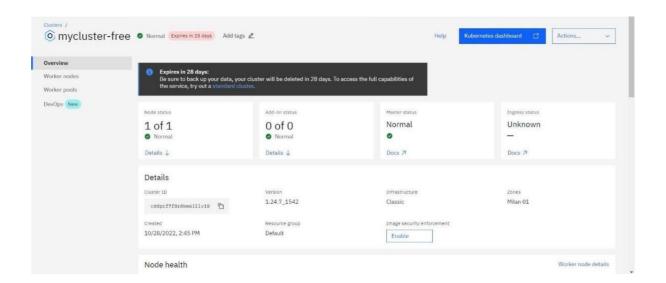


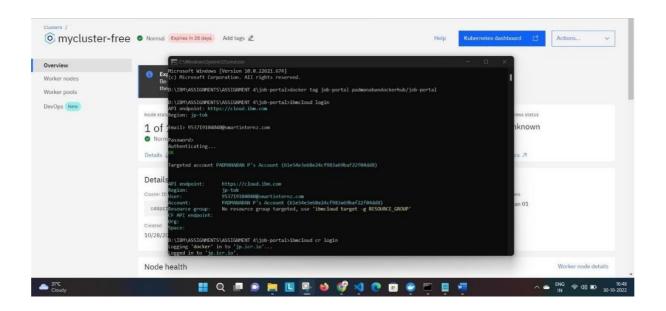
Step 3: Create a IBM container registry and push docker image of flask application or job portal app.

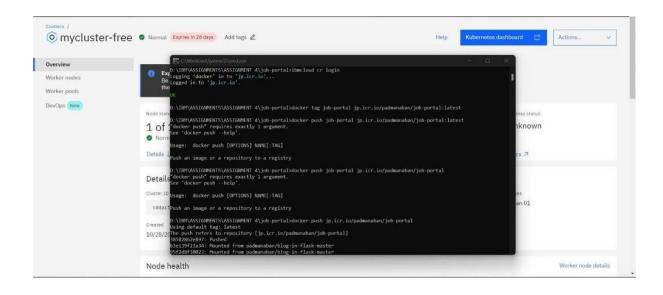


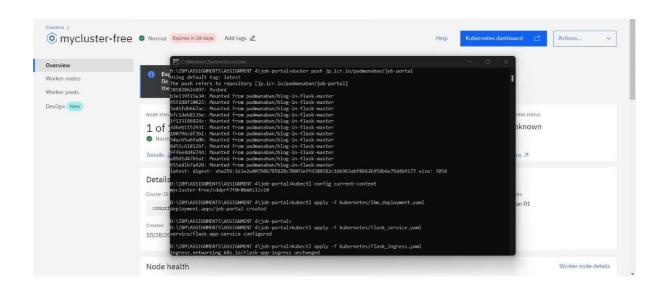


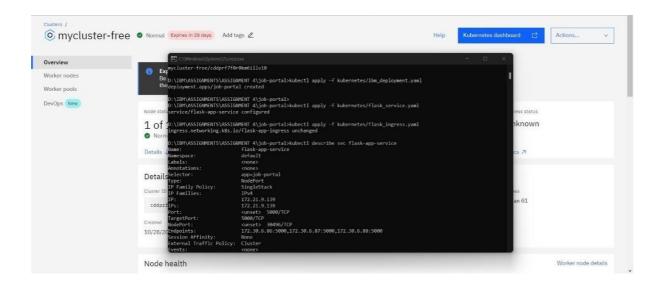
Step 4: Create a Kubernetes cluster in IBM cloud and deploy flask application image or job portal image and also expose the same app to run in Nodeport.

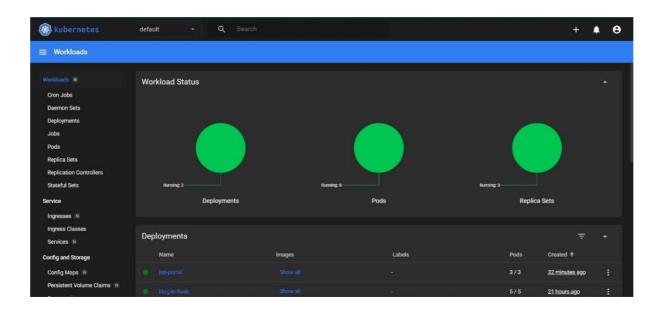


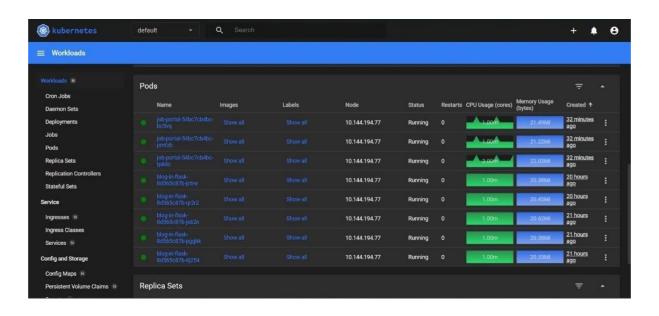


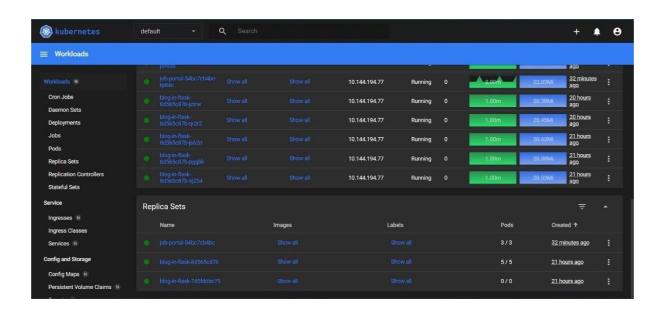












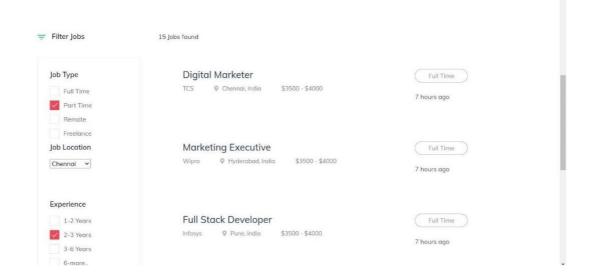


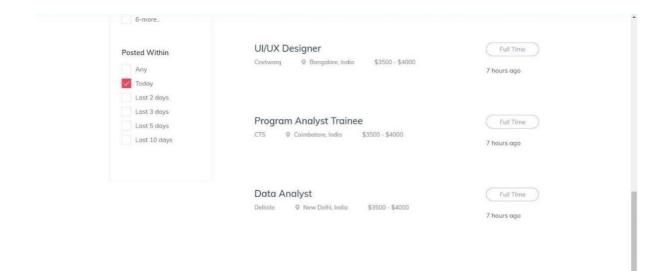
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View the deployed Job-portal flask application by clicking the below link:

http://159.122.175.228:30496/