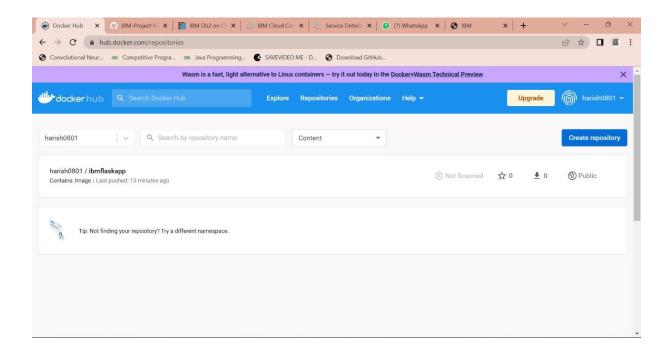
Assignment -4
Inventory Management System for Retailers – Kubernetes / Docker

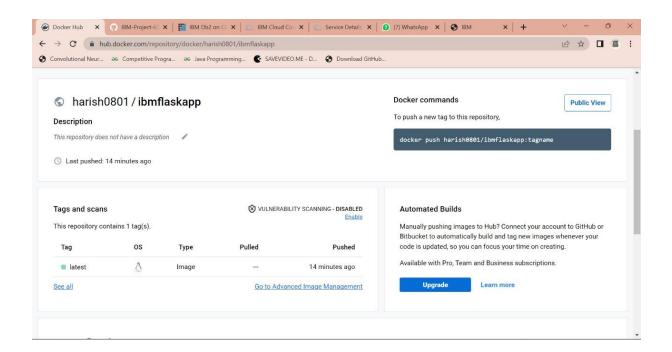
Assignment Date	20 October 2022
Student Name	HEMANTH C
Student Roll Number	142219104040
Maximum Marks	2 Marks

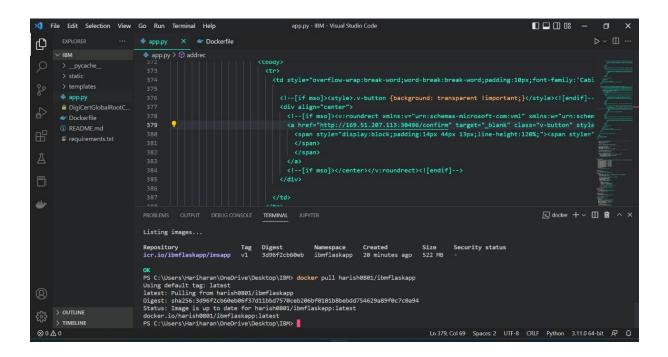
Question-1:

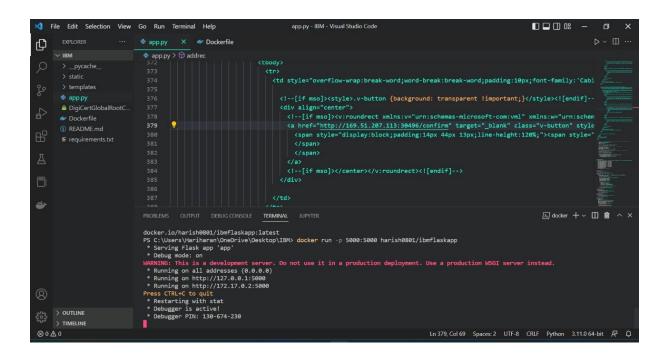
- 1. Pull an Image from docker hub and run it in docker playground.
- 2. Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.
- 3. Create a IBM container registry and push docker image of flask application or job portal app.
- 4. Create a Kubernetes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

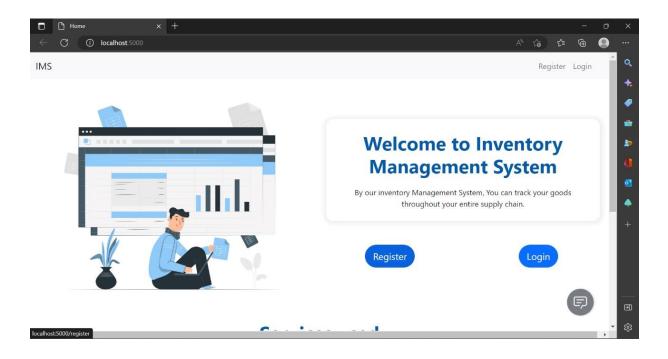
Step 1: Pull an Image from docker hub and run it in docker playground.



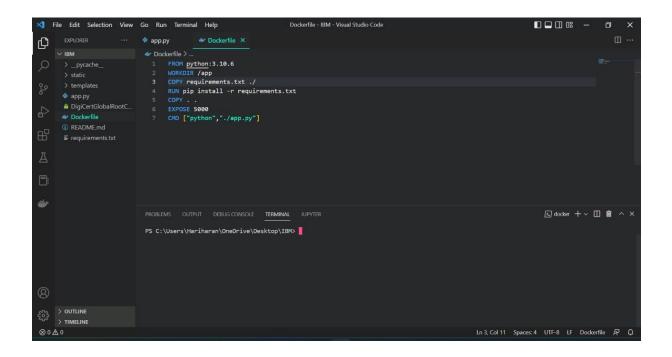


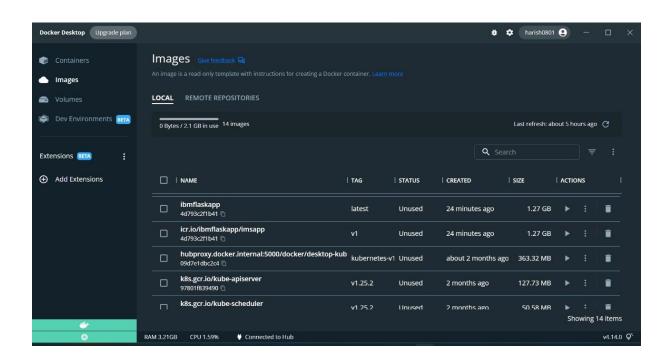




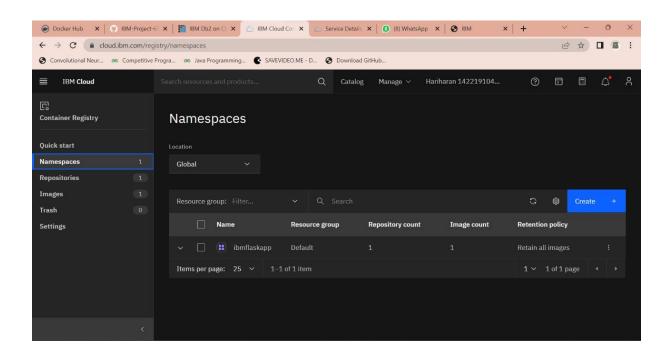


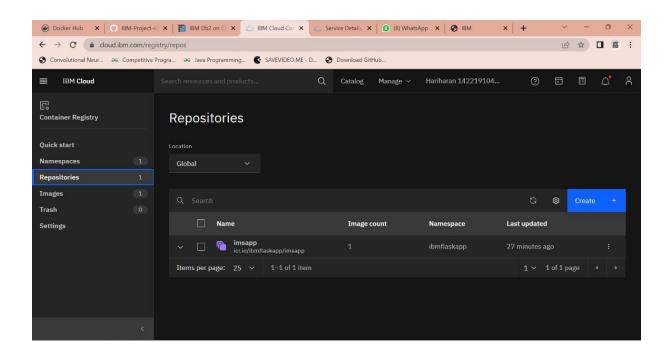
Step 2: Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.

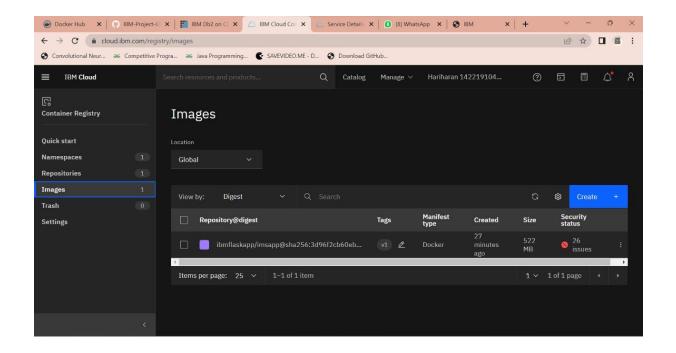




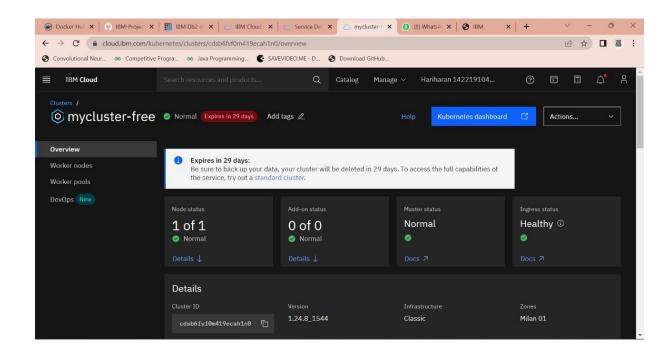
Step 3: Create a IBM container registry and push docker image of flask application or job portal app.

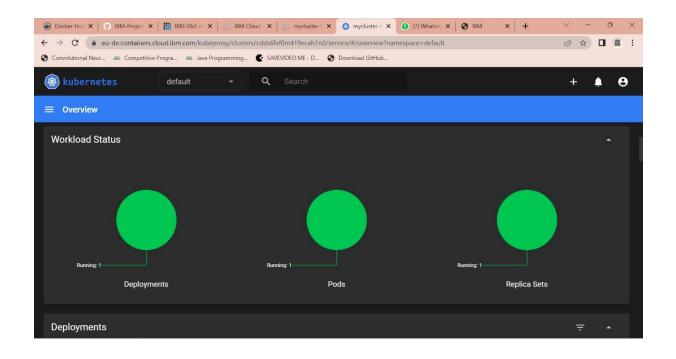


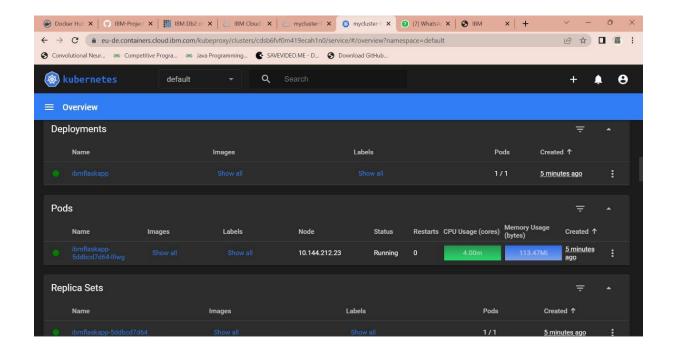


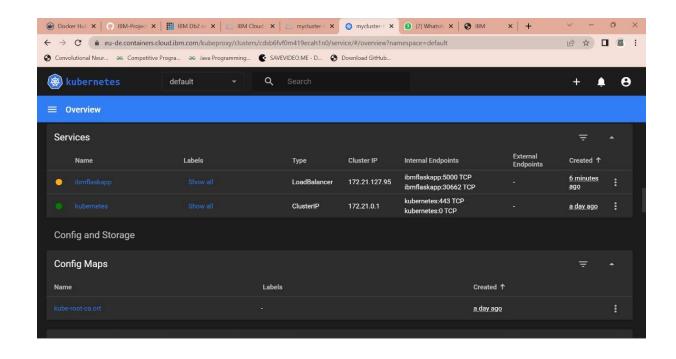


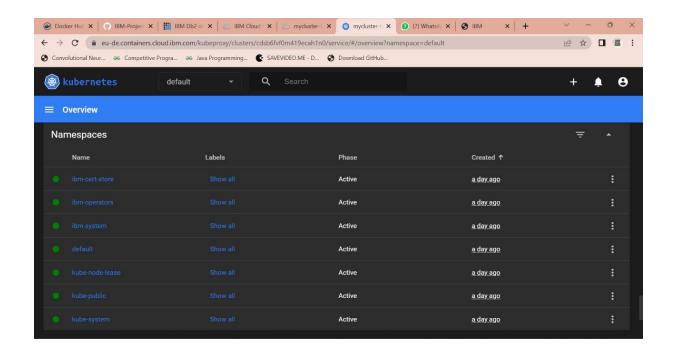
Step 4: Create a Kubernetes cluster in IBM cloud and deploy flask application image or job portal image and also expose the same app to run in Nodeport.

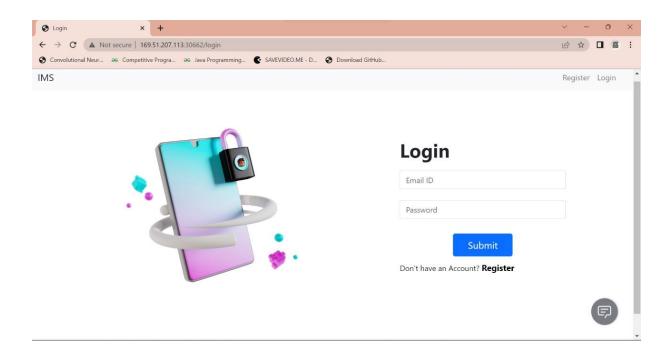


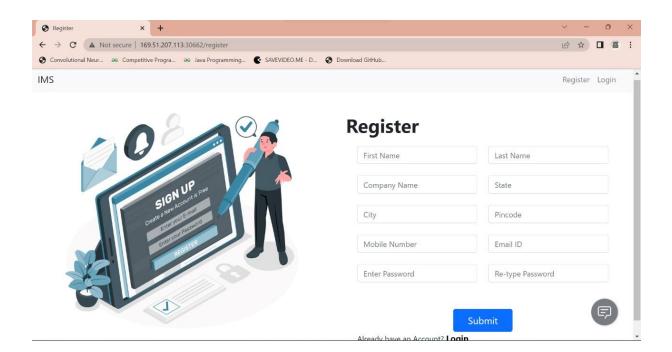


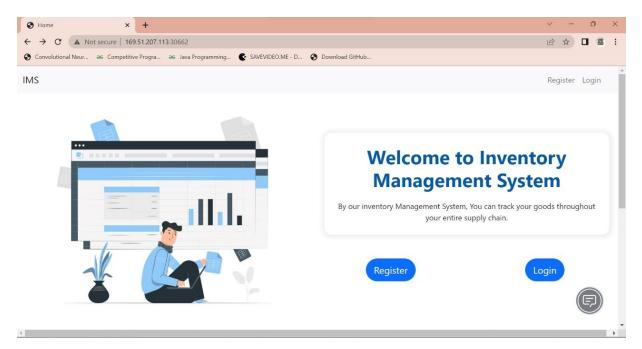












View the deployed Job-portal flask application by clicking the below link:

http://169.51.207.113:30662/