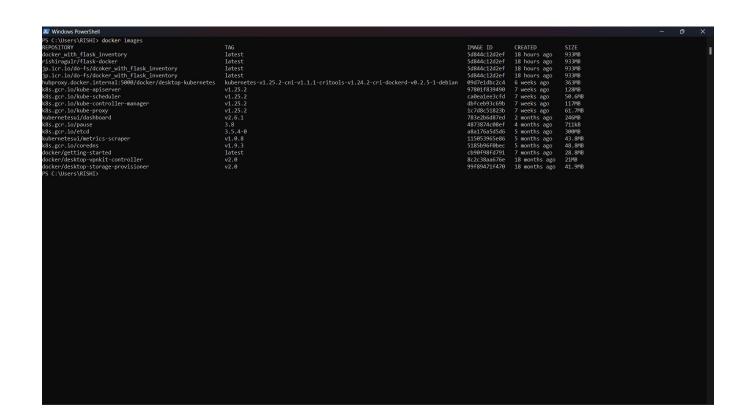
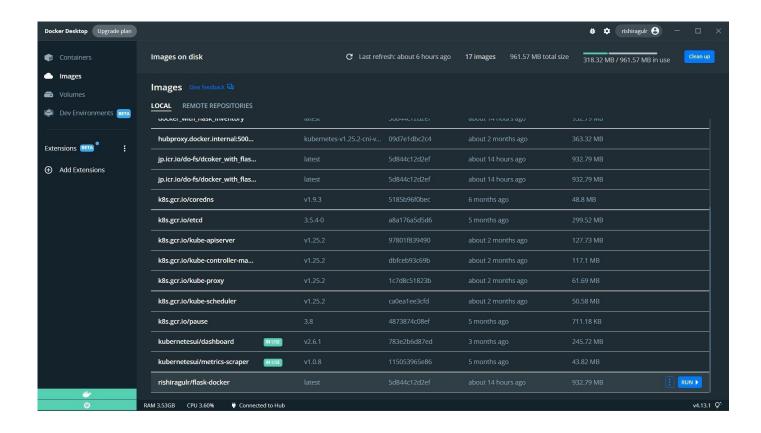
Assignment-4

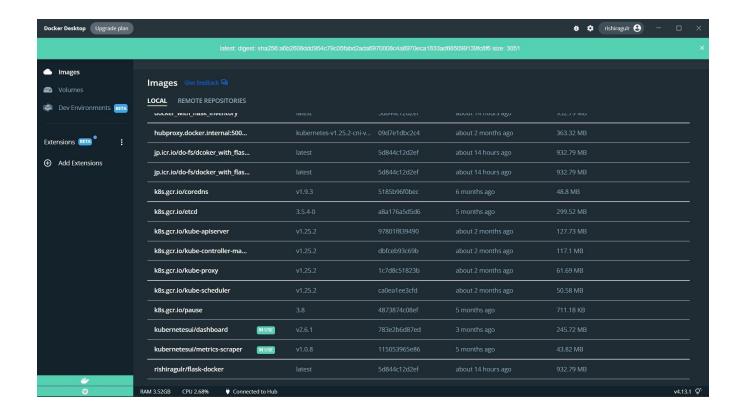
| Assignment Date | 29 October 2022 |
|---------------------|-----------------|
| Student Name | Prem V |
| Student Roll Number | 610519104080 |
| Maximum Marks | 2 Marks |

Question:

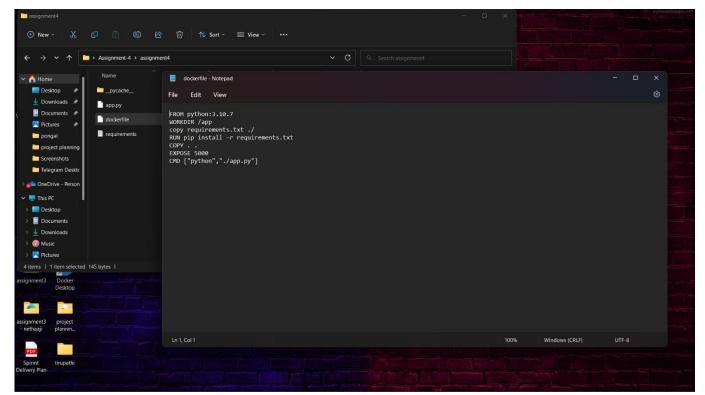
1. Pull an Image from docker hub and run it in docker playground.







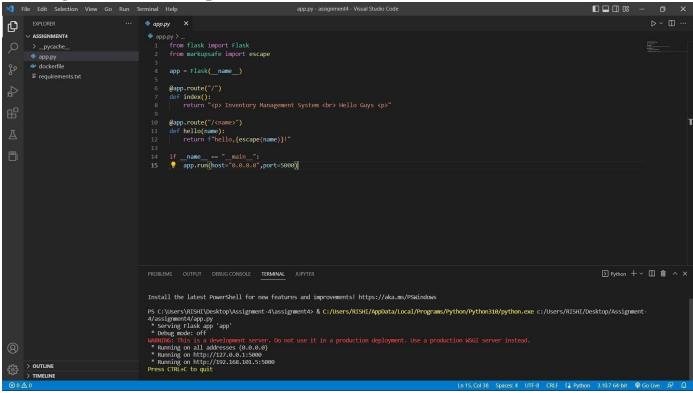
2. Create a docker file for the job portal application and deploy it in Docker desktop application.



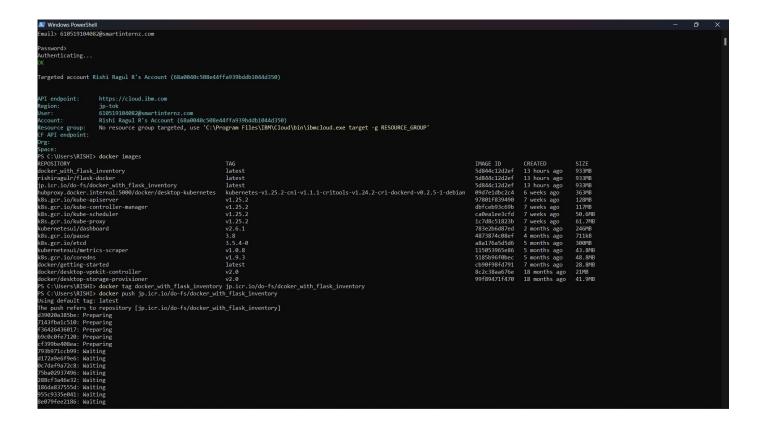
Deploy in docker application

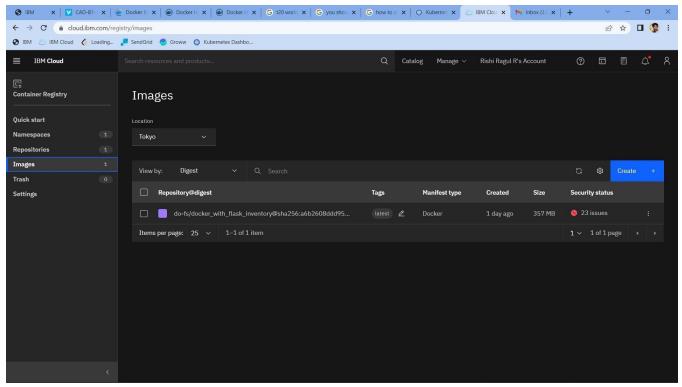
```
| College | Mark | College | College
```

Running in docker desktop



3. Create a IBM container registry and deploy hello world app or job portal app.



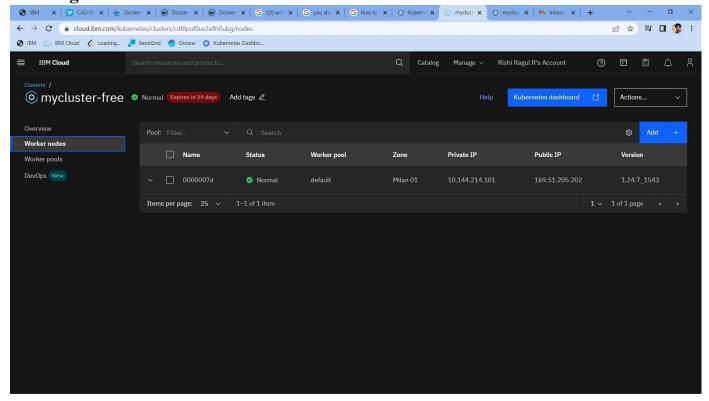


Deploy hello world or job portal

```
### Common Proceeding | Common Process |
```

4. Create a Kubernetes cluster in IBM cloud and deploy hello world image or job portal image and also expose the same app to run in node port.

Creating a Kubernetes cluster in IBM cloud



Expose the same app to run in noteport

| Command Prompt | - | ٥ | × |
|---|---|---|---|
| C:\Users\RISHI>cd C:\Users\RISHI\Desktop\Assignment-4\assignment4 | | | |
| C:\Users\RISHI\Desktop\Assignment-4\assignment4\assignment4\kubectl apply -f kubernetes/deployment.yaml error: the path "kubernetes/deployment.yaml" does not exist | | | |
| C:\Users\RISHI\Desktop\Assignment-4\assignment4>ibmcloud ks cluster configcluster cdltlpof0uv2a9hfiubg OK | | | |
| The configuration for cdltlpof@uv2a9hfiubg was downloaded successfully. | | | |
| Added context for cdltlpof8uv2s0fribug to the current kubeconfig file. You can now execute 'kubectl' commands against your cluster. For example, run 'kubectl get nodes'. If you are accessing the cluster for the first time, 'kubectl' commands might fail for a few seconds while RBAC synchronizes. | | | |
| C:\Users\RISHI\Desktop\Assignment-4\assignment4\subectl apply -f kubernetes/flask_deployment.yaml error: the path "kubernetes/flask_deployment.yaml" does not exist | | | |
| C:\Users\RISHI\Desktop\Assignment-4\assignment4>kubectl apply -f kubernetes/flask_deployment.yaml deployment.apps/flask-app created | | | |
| C:\Users\RISHI\Desktop\Assignment-4\assignment4\subect_ | | | |
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