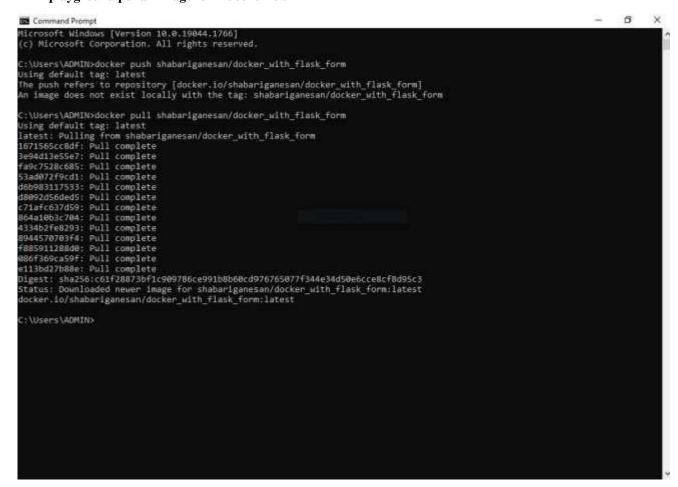
Assignment-4

Student Name	KISHORE R
Batch No	B9 - 3A5E
Project Name	CUSTOMER CARE REGISTRY
Team ID	PNT2022TMID31808
Register No	721219104026

Question-1:

pull an image from docker hub and run it in docker

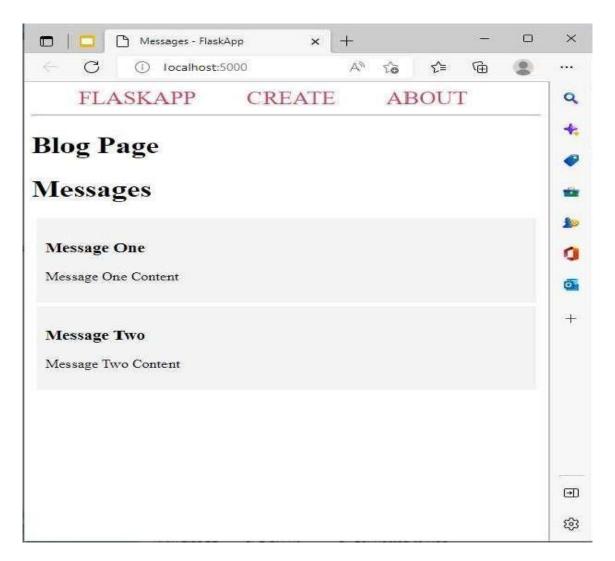
playground.pullan image form dockerhub



runtitindockerplayground







Question-2:

Create a docker file for the job portal application and deployitin docker application.

Creating a docker file for the job portal application

```
Fig. Early New Encoding Language Setting Toll Macro Num Plugins Window 1

1 FROM python:3.10.6

2 WORKDIR /app
3 COPY requirements.txt ./
4 RUN pip install -r requirements.txt
5 COPY .
6 EXPOSE 5000
7 CMD ["python", "./app.py"]

8
```

deployinindokcerapplication

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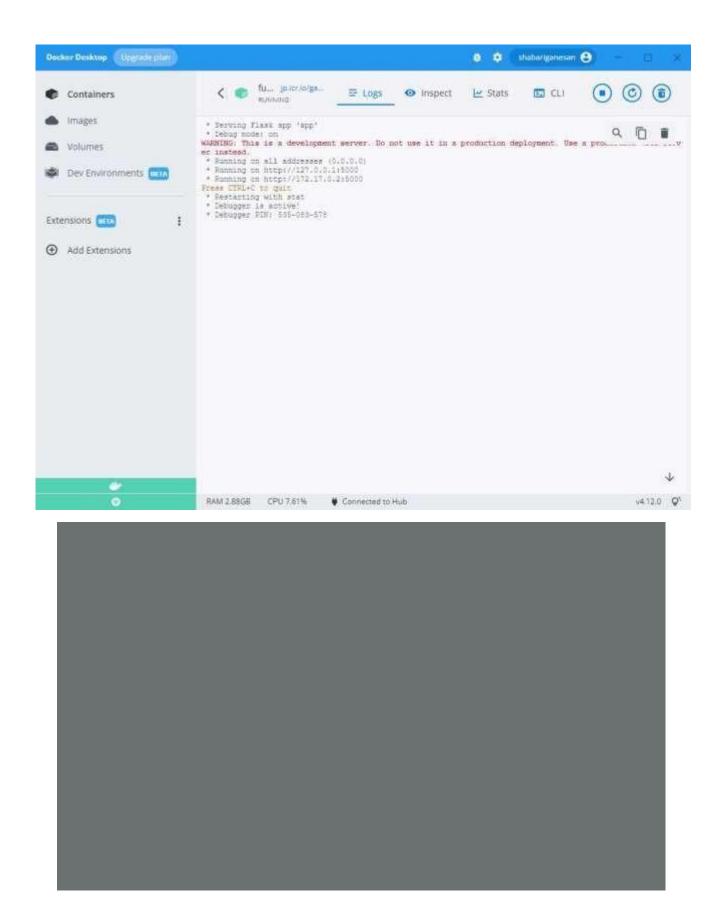
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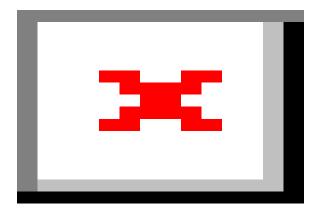
Cc rat ¿zi n e r S

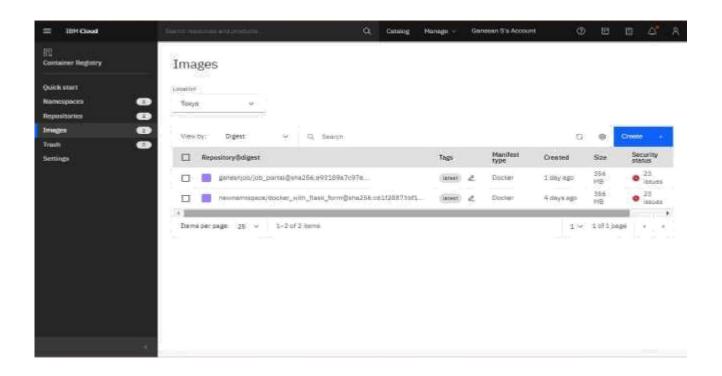


runningindockerdesktop1

createa ibm container registry

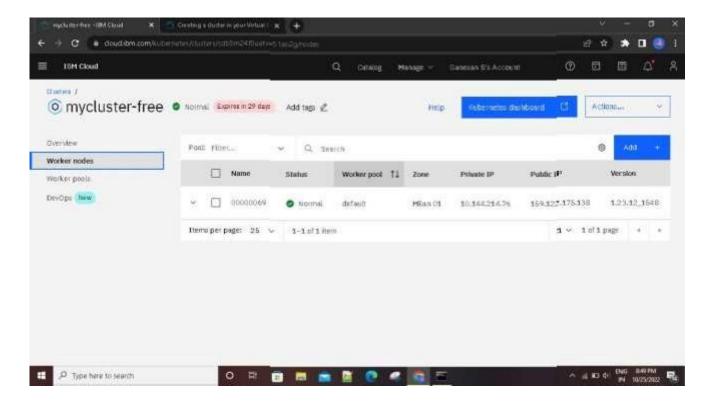
deployhelloworldorjobportal





Question-4: Create a kubernetes cluster in ibm cloud and deploy helloworld image or jobportal image and also exposethesameapp to run in noteport

Creatingakubernetesclusterinibmcloud



deploy helloworld image or job portalimage and also expose the same apptor uninnote portaline and also expose the same apptor uninnote portaline.

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Deployment

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edglandFinds: This is a development server. Bo not use it in a production deployment. Use a production MSGI server instead. Blem
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ening on http://122.0.0.158800
ming on http://122.0.0.25800
ming on http://122.0.0.25800
starting with static
sugger is active;
sugger FIN: 310-687-549

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ø '.Windows'system32*Kubecii expose deployment flask-app .-type-NodePort --name-flask service he Service "flask service" is invalid: metadata.name: Invalid value: "flask service": a DMS-1835 label must consist of lower case alphanumenic characters or '-with an alphabetic character, and end with an alphanumenic character (e.g. 'my-name', or 'abc-123', regex used for validation is '[a-2]([-a-26-9]*(a-26-9])2') :\Mindows\system32>Nubectl expose deployment flask app ..type=NodePort ..name=flask service
he Service "flask service" is invalid: metadata.name: Invalid value: "flask service"; a DNS-1835 label must consist of lower case alphanumenic characters or '.'. start
with an alphabetic character, and end with an alphanumenic character (e.g. "my-name", or "abc-123", regex used for validation is '[=-2]([-a-zH-9]*[a-zH-9])')' :\Windows\system32>kuhecti expose deployment flask-app --type-NodePort --name-Flask service
he Service "flask_service" is invalid: metadata.name: Invalid value: "flask_service": a DNS-1035 label must consist of lower case alphanumeric characters or "with an alphabetic character, and end with an alphanumeric character (e.g. "my-name", or "abc-123", regex used for validation is "[a-z]([-a-z0-9]*[a-z0-9])?") \Mindows\systemIZ>kubect1 expose deployment flask-app -type-NodePort --name-flask-service ror from server (AlreadyLxists): services "flask-service" already exists \Mindows\system32> \Mindows\system32>kubect1 -n kubernetws-dashboard get depploy \Mindows\system12\kubert1 -n kubernetes-dashboard get deploy resources found in kubernetes-dashboard namespace. \Mindows\system32>kubert1 -n kubernetez-dashboard get deploy resources found in kubernetes-dashboard namespace. :\Windows\system32>kubect1 proxy tarting to serve on 127,0,0,1:8001 \Mindows\system32\kubectl -n kubernetes-dashboard get deplou \Mindows\system32>kubectl -n kubernetes-dashboard get deploy resources found in kubernetes-dashboard namespace. \Mindows\system32\kubectl -n kubernetes-dashboard get pods o resources found in kubernetes-dashboard namespace. \Mindows\system32\kubect1 expose deployment flask-app --type-NodeFort --name-flask-service row from server (AlreadyExists): services "flask-service" already exists :\Mindows\system32>kubectl get ing
AMI CLASS HOSIS ADDRESS PORTS AGE
Task-app-ingress cnone> * 80 278 :\Mindows\system32>kubect1 get avc AME TYPE CLUSTER-IP EXTERNAL-ID