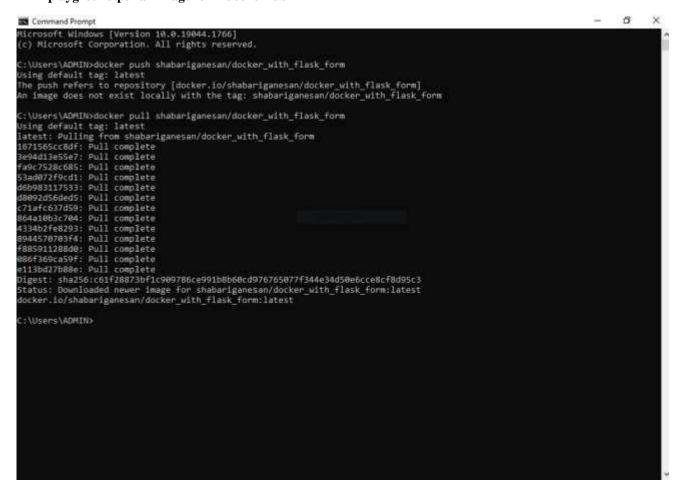
Assignment-4

Student Name	Swethamala P
Batch No	B9 - 3A5E
Project Name	CONTAINMENT ZONE ALERTING APPLICATION
Team ID	PNT2022TMID31809

Question-1:

pull an image from docker hub and run it in docker

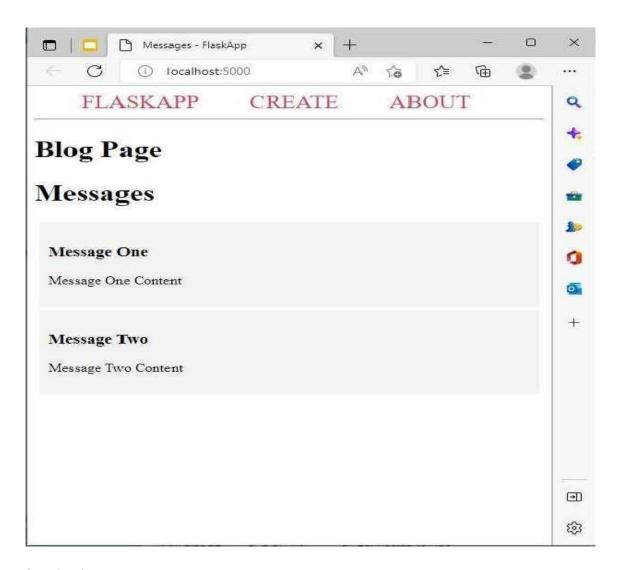
playground.pullan image form dockerhub



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Question-2:

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

Creating a docker file for the job portal application

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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"]

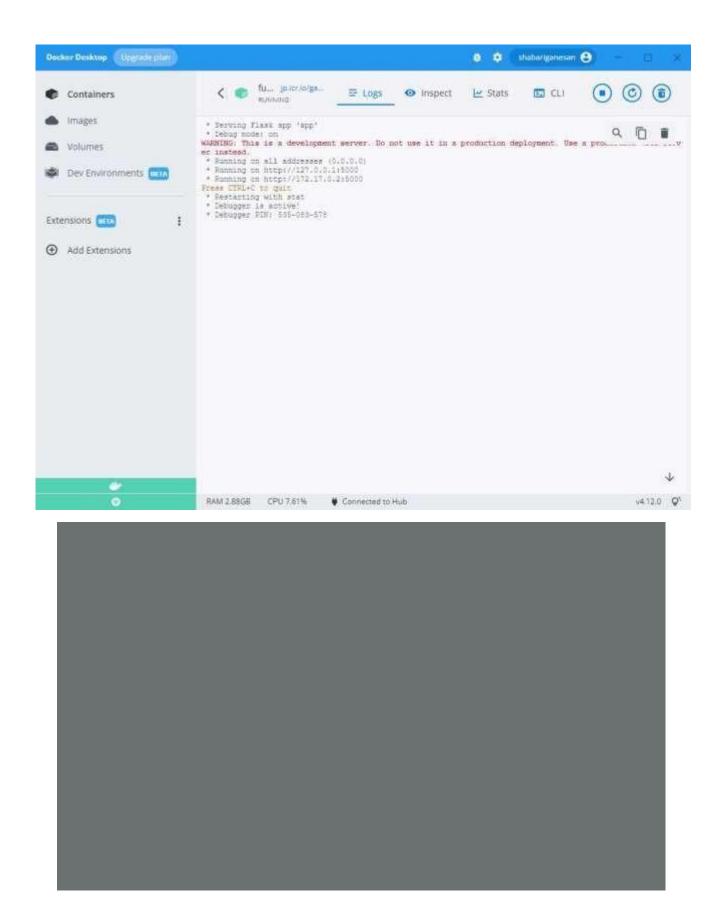
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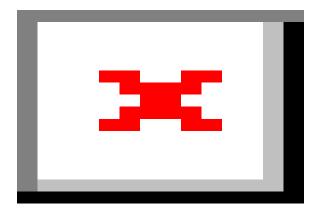


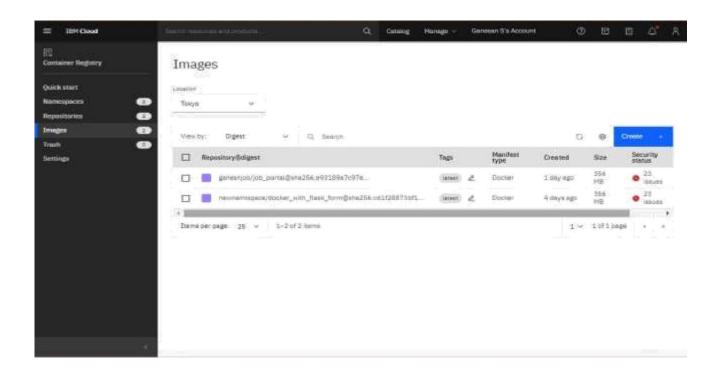
runningindockerdesktop1

createa ibm container registry



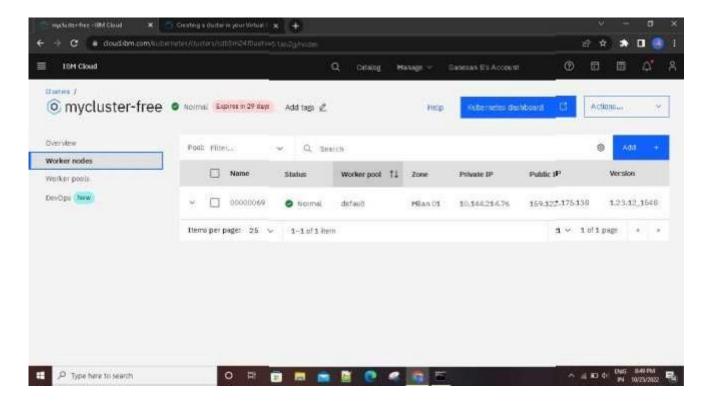
deployhelloworldorjobportal





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 portalization of the contraction of the c

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Deployment

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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
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Task-app-ingress cnone> * 80 278 :\Mindows\system32>kubect1 get avc AME TYPE CLUSTER-IP EXTERNAL-ID