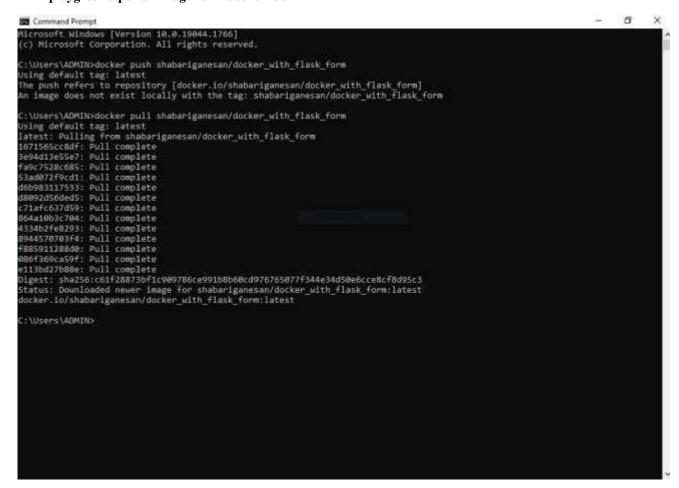
Assignment-4

Student Name	Agathiyan S
Batch No	B9 - 3A5E
Project Name	Inventory Management System for Retailers
Team ID	PNT2022TMID31796

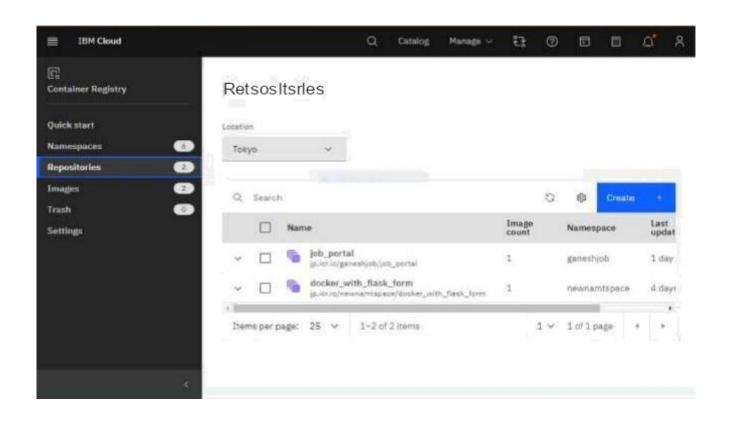
Question-1:

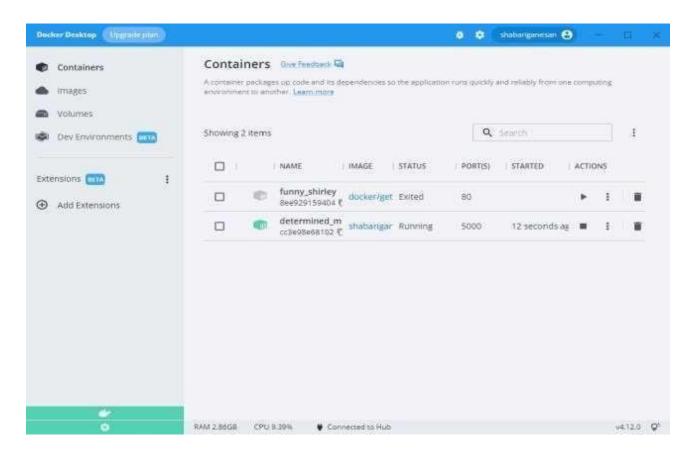
pull an image from docker hub and run it in docker

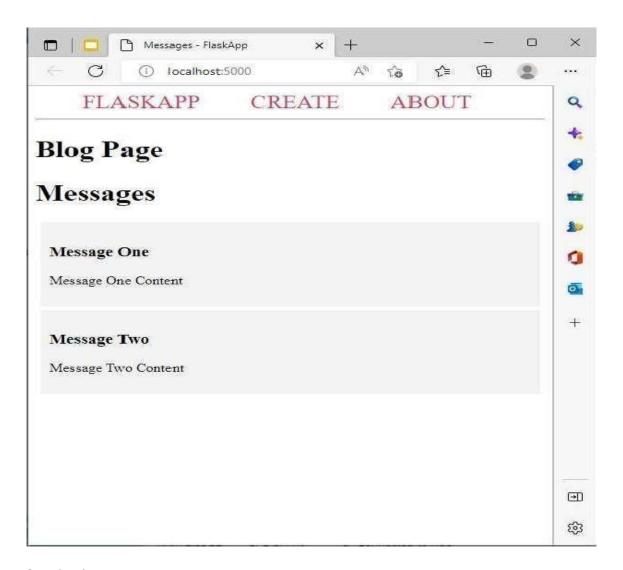
playground.pullan image form dockerhub



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

```
Fe Sat such whe feeding Legange Setting Tool Maco Non Plugies Window

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"]
```

deployinindokcerapplication

```
Similar Ngami Weshtopijob portalica...

C. Wisers Ngami Weshtopijob portalica...

Ose: Souler Soila - Helpi...

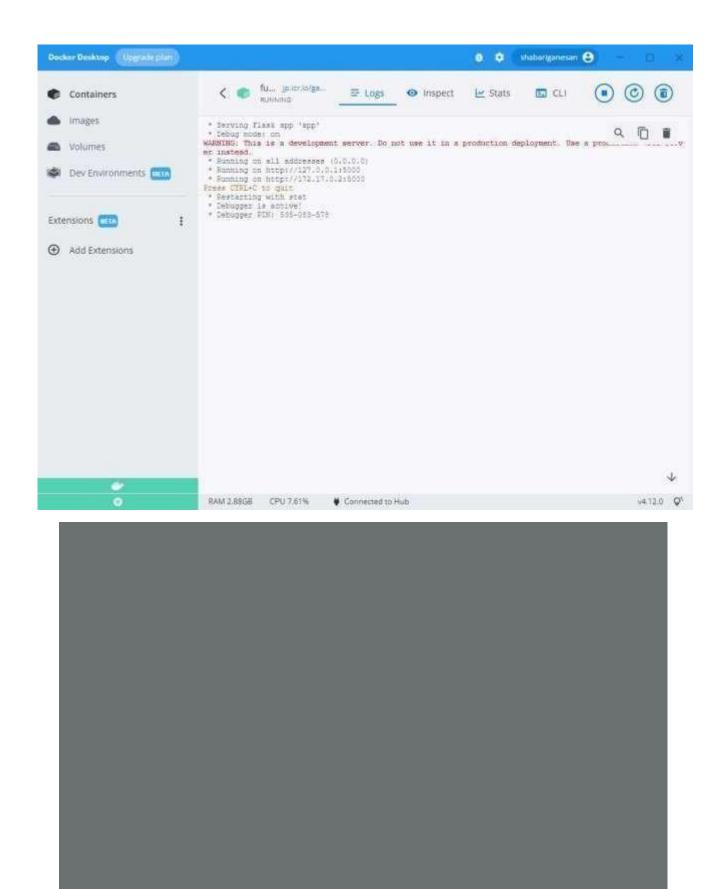
Ose: Souler Soila - Helpi...

See: Souler Soila - Helpi...

So
```



Cc rat ¿zi n e r S



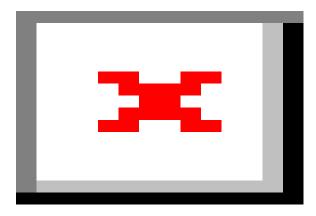
runningindockerdesktop1

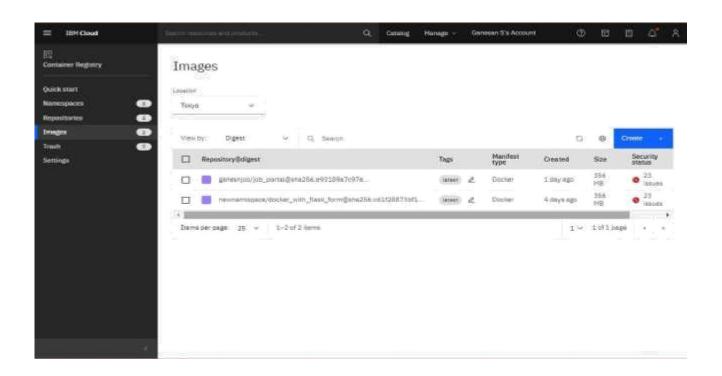
Question-3: Createa Ibm container registry and deploy helloworldapp or jobportal app

createa ibm container registry

deployhelloworldorjobportal

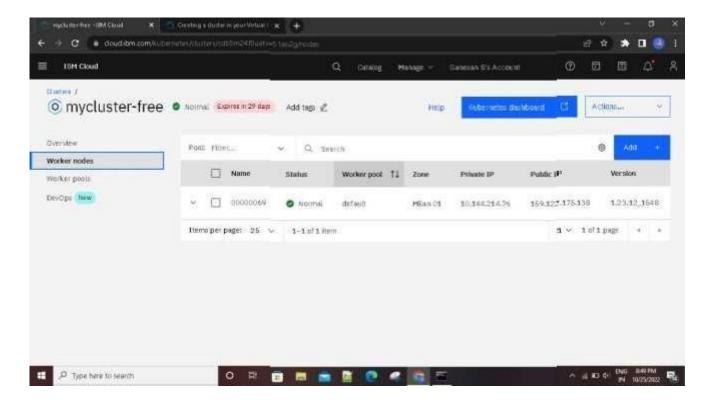
```
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StackSed/about Notifying in 1 second
StackSed/about Notifying
StackSed/ab
```





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.



Seinch

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≡: Workloads > Pods

Deployment

Daymon Sets

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Carystan

Running

ø 'Mindows'systemi2-kubecti expose deployment flask-app —type-NodePort —name-flask service
he Service "flask service" is invalid: metadata.name: Invalid value: "flask service": a DRS-1835 label must consist of lower case alphdnumenic characters or 'with an alphabetic character, and end with an alphabumenic character (e.g. 'my name', or 'abc 123', regex used for validation is '(a-z)([-a-z6-9]*[a-z6-9])2') :\Mindows\system32;Nubectl expose deployment flask-app .type-NudePort .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)((==2#-9)*(=2#-9))*') :\Mindows\system32>kubectl expose deployment flask:app. type-NodePort - name-Flask service
he Service "flask_service" is invalid: metadata.name: Invalid value: "flask_service": a DMS-1895 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 [m-z]([-m-zM-9])*[m-zM-9])*) \Mindows\systemIZ>kubect1 expose deployment flask-app --type-NodePort --name-rlask-service row from server (AlreadyRxists): services "flask-service" already exists \Mindows\system32> \Mindows\system32>kubecti -n kubernetws-dashboard get depploy \Mindows\systemiZ>kubectl -n kubernetes-dashboard get deploy resources found in kubernetes-dashboard namespace. \Mindows\system32>kubert1 -n kubernetus-dashboard get deploy resources found in kubernetes-dashboard namespace. :\Mindows\system32>kubect1 proxy tarting to serve on 127,0.0.1:8801 \Mindows\system32\kubectl -n kubernetes-dashboard get deplou \Mindows\system32*kubectl -n kubernetes-dashboard get deploy resources found in kubernetes-dashboard namespace. \Windows\system32>kubectl -n kubernetes-dashboard get pods o resources found in kubernetes-dashboard namespace. :\Windows\system32\kubecti expose deployment flask-app --type-NodePort --name-flask-service rror from server (&lreadyExists): services "Flask-service" already exists :\Mindows\system32>kubectl get ing
AMI CLASS HOSTS ADDRESS PORTS AGE
Task-app-ingress chomes * 80 276 \Windows\system32>kubect1 get avç
ME TYPE CLUSTER-IP EXTERNAL-ID