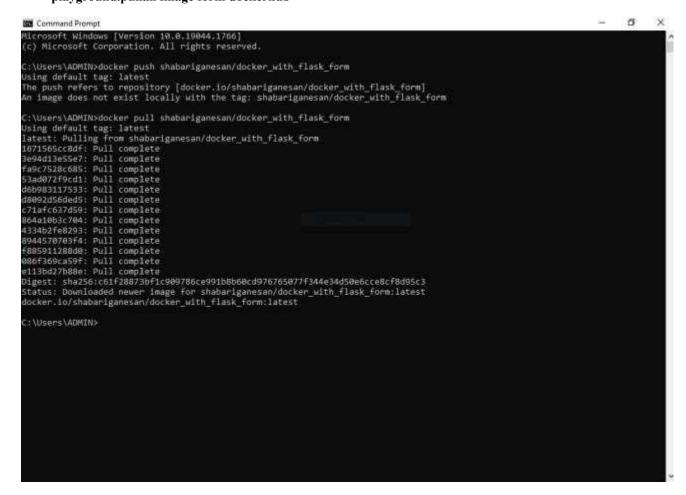
Assignment-4

| Student Name | Dheepthi M |
|--------------|---|
| Batch No | B9 - 3A5E |
| Project Name | INVENTORY MANAGEMENT SYSTEM FOR RETAILERS |
| Team ID | PNT2022TMID31769 |

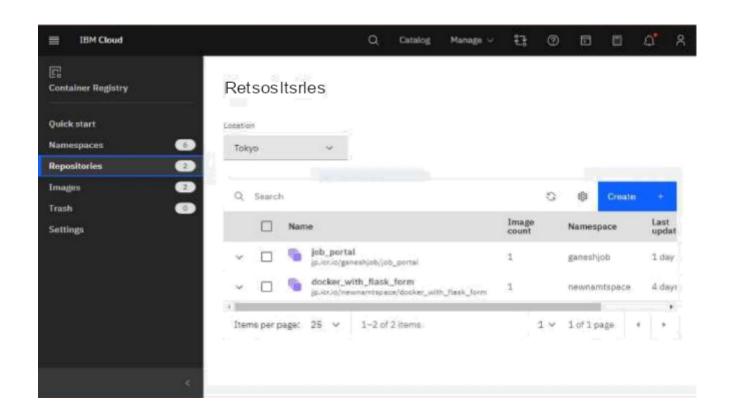
Question-1:

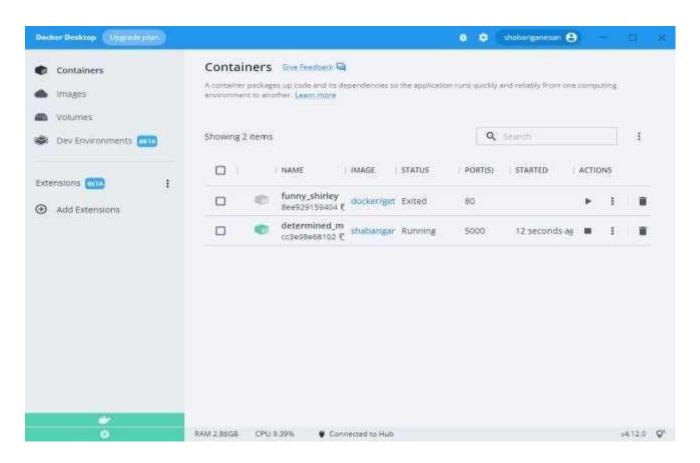
pull an image from docker hub and run it in docker

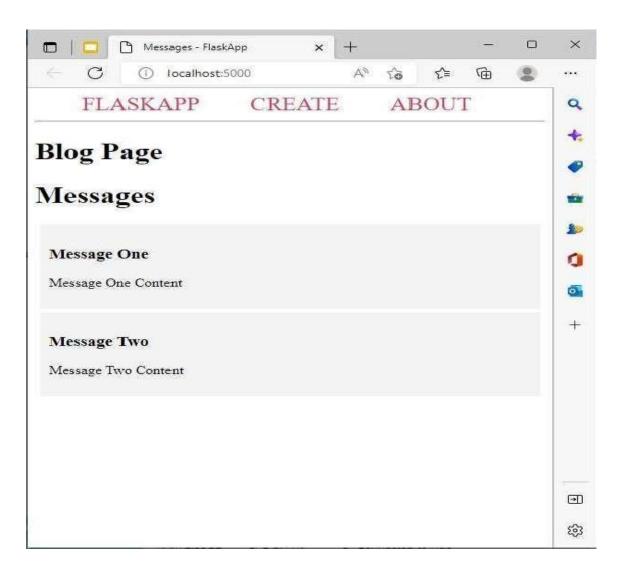
playground.pullan image form dockerhub



runtitindockerplayground







Question-2:

Create a docker file for the job portal application and deployit indocker application.

Creating a docker file for the job portal application

deployinindokcerapplication

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C. Windows Signal Mesh top 130h portained ...

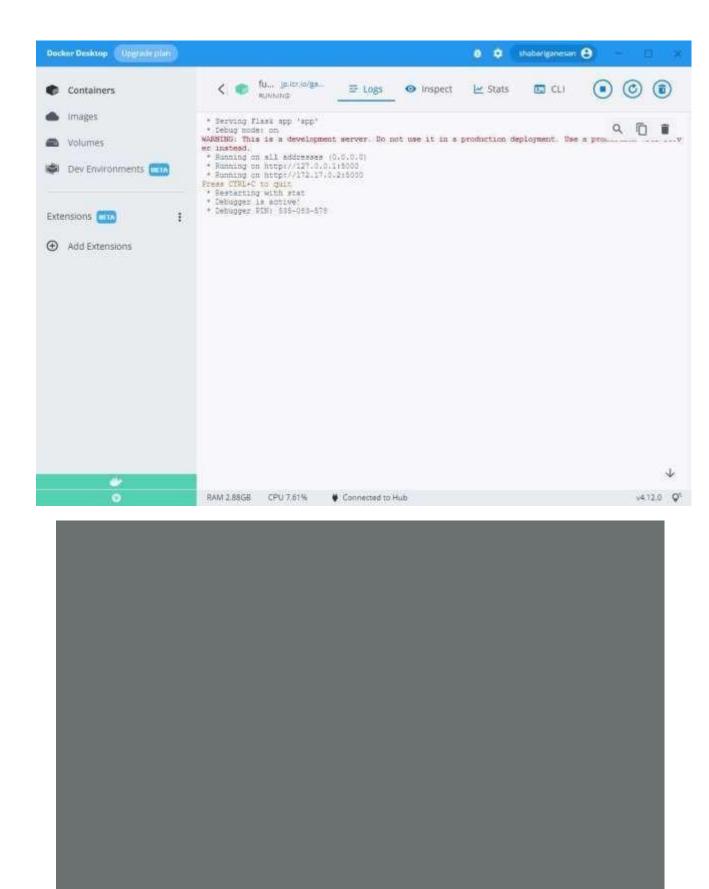
See "Gouler boiled "Health" ...

See "Gouler boiled" ...

See "Gouler b
```



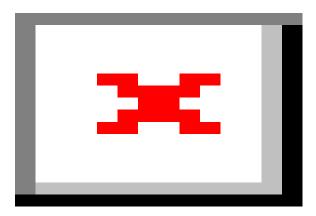
Cc rat ¿zi n e r S

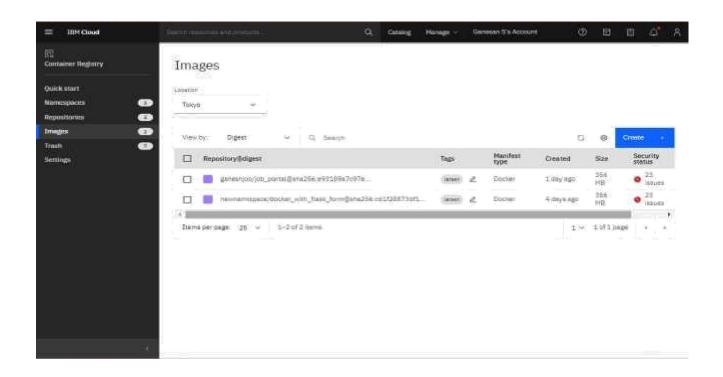


runningindockerdesktop1

createa ibm container registry

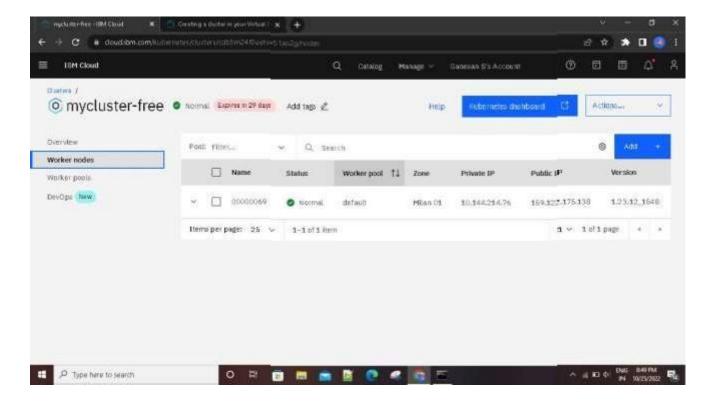
deployhelloworldorjobportal





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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```
ving Flank and 'app'
Nug mode: on
signamentNuc This is a development server. Do not use it in a production deployment. Use a graduation MSGI server instead. Ni@m
sing on all indermunes (0.0.0.0)
saing on http://172.00.115000
server instead. Ni@m
sing on http://172.00.115000
server instead. Ni. 10000
server instead. Ni. 10000
server instead. Ni.
```

```
O
C//Windows/System32/cmd.exe
   "(Mindows) System 32-kubect| expose deployment flask app - type-NodePort - name-flask samvice
he Service "flask service" is invalid: metadata.name: Invalid value: "flask service": a DMS-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 '[a-z]([-a-z6-9])*(a-z8-9])2')
  :\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 CMS-1035 label must consist of lower case alphanumeric characters or '-', start
with an alphabetic character, and end with an alphanumeric character (e.g. 'my-name', or 'abc-123', regex used for validation is '(=-2|([-a-zH-9]-4]-27')
   :\Mindows\system32>kuhectl 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 alphanumeric characters or "-", start
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\systemi2>kubectl expose deployment flask-app --type-NodePort --nwme-flask-service
rrow from server (Alrmadybxists): services "flask-service" already exists
   \Mindows\system32>
\Mindows\system32>kubectl -n kubernetes-deshboard get depploy
    \Mindoes\system32-kubert1 -n kubernetes-dashboard get deploy
resources found in kubernetes-dashboard namespace.
   \Mindows\system32>kubert1 -n kubernetes-dashboard gut deploy
resources found in kubernetes-dashboard namespace.
   \Windows\system32>kubect1 proxy
carting to serve on 127,0,0,1:8801
    \Mindows\system32\kubectl -n kubernetes-dashboard get deplou
   \Mindows\system32>kubectl -n kubernetes-dashboard get deploy o resources found in kubernetes-dashboard namespace.
   \Mindows\system32\kubectl -n kubernetes-dashboard get pods
o resources found in kubernetes-dashboard namespace.
   -\Mindows\system32>kubectl expose deployment flask-app --type-NodeFort --name-Flask-service
roor from server (AlreadyExists): services "Flask-service" already exists
   :\Mindows\system32>kubectl get ing
MN| CLASS HOSTS ADDRESS PORTS AGE
Lask-app-ingreus cnone> * 80 278
   :\Mindows\system32>kubect1 get avc
WHE TYPE CLUSTER-IP
```