ASSIGNMENT 4

Date	12 November 2022
Team ID	PNT2022TMID18149
Project Name	NUTRITION ASSISTANT APPLICATION

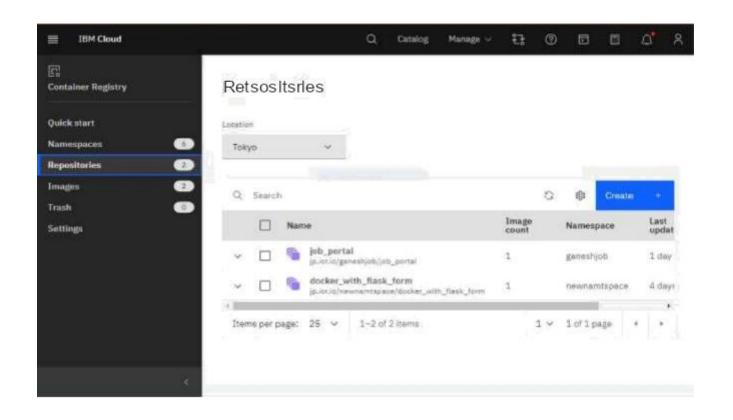
Question-1:

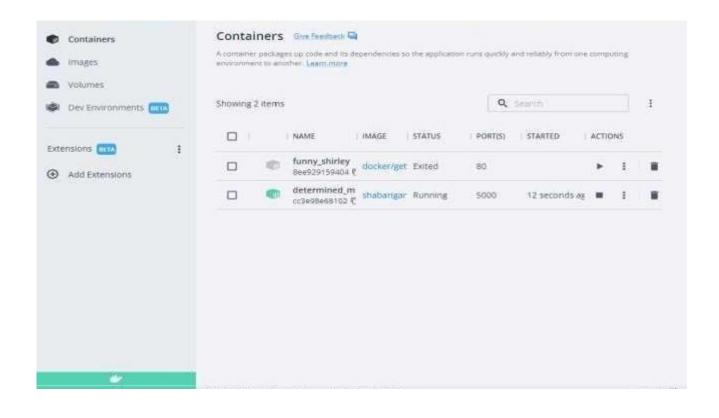
pull an image from docker hub and run it in docker playground.

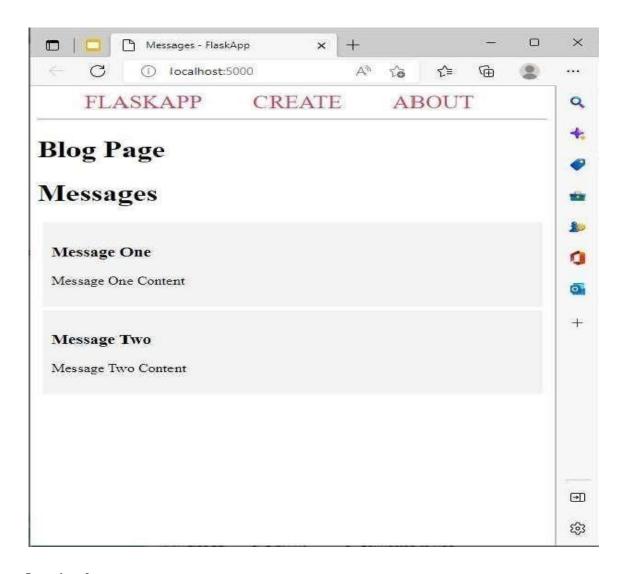
pull an image form docker hub run it in docker playground

```
Microsoft Windows [Version 10.0.19044.1766]
(C) Microsoft Corporation. All rights reserved.

C:\Users\ADMIN>docker push shabariganesan/docker_with_flask_form
Using default tag: latest
The push refers to repository [docker.io/shabariganesan/docker_with_flask_form]
An image does not exist locally with the tag: shabariganesan/docker_with_flask_form
C:\Users\ADMIN>docker_pull shabariganesan/docker_with_flask_form
Using default tag: latest
latest: Pulling from shabariganesan/docker_with_flask_form
1671565ccddf; Pull complete
fascr528cc68s; Pull complete
fascr528cc68s; Pull complete
d6b9831753s; Pull complete
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Question-2:

Create a docker file for the jobportal application and deploy it in docker application.

Creating a docker file for the jobportal application

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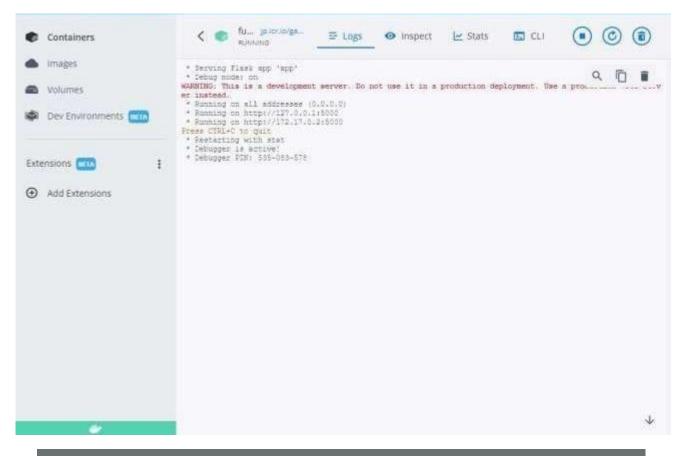
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running in docker desktop 1

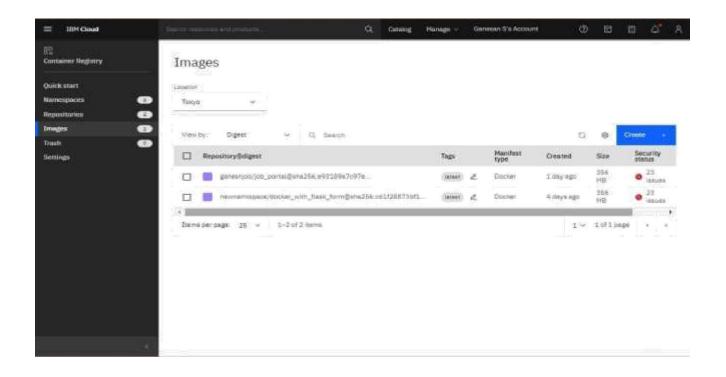
Question-3:Create albm container registry and deploy helloworld app or jobportalapp create a ibm container registry



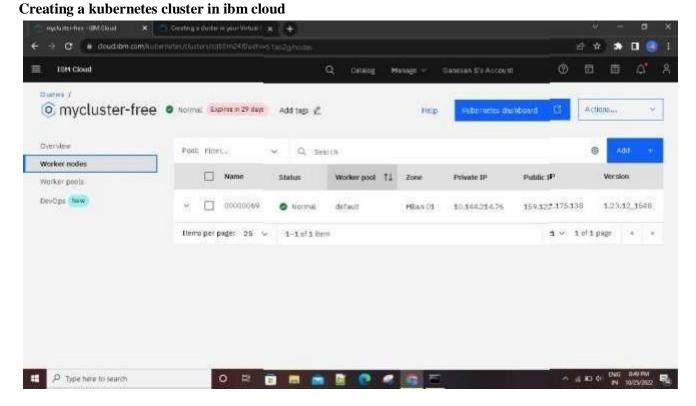
deployhelloworld or jobportal

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



deploy helloworld image or jobportal image and also expose the same app to run in noteport

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C:\Windows\System32\cmd.exe
                                                                                                                               10/16/2022
             12:28 PM
                               2,897 YouTube.lnk
804,677,196 bytes
08/25/2022 08:40 PM
               24 File(s)
                9 Dir(s) 79,221,886,976 bytes free
C:\Users\gani\Desktop>cd deploy
The system cannot find the path specified.
C:\Users\gani\Desktop>kubectl apply -f kubernetes/depoly.yaml
error: the path "kubernetes/depoly.yaml" does not exist
C:\Users\gani\Desktop>kubectl apply -f depoly.yaml
error: the path "depoly.yaml" does not exist
C:\Users\gani\Desktop>kubectl apply -f C:\Users\gani\Desktop\deploy.yaml
deployment.apps/flask-app created
C:\Users\gani\Desktop>
```

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■ Workloads > Pods	
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be Service "flask sorvice" is invalid: metadata name: Invalid value: "flask service": a DMS-3835 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 2]([-a 26-9]*[a 28-9])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 DNS-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 '(=-z]([-a-zH-9]-(a-zH-9])3') :\Mindows\system32>kubectl expose deployment flask:app - type-NodePort - name=flask service
be 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 [a-z]([-a-z#-9]*[a-z#-9])?") ·Mindows\systemIZ>kubectl expose deployment flask-app -type-NodeFort -name-Flask-service room from server (Alreadytrists): services "flask-service" already exists \Mindows\system12> \Mindows\system12>kubectl -n kubernetes-dashboard get depploy :\Windows\system12>kubect1 -n kubernetes-dashboard get deploy b resources found in kubernetes-dashboard namespace. 'NMIndows\system32:kubect1 -n kuberneter-dashboard get deploy o resources found in kubernetes-dashboard namespace. \Mindows\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 o resources found in kubernetes-dashboard namespace. :\Mindows\system32>kubectl -n kubernetes-dashboard get pods b resources found in kubernetes-dashboard namespace. "Mindows\system32>kubectl expose deployment flask-app --type-NodeFort --name-flask-service rron from server (AlreadyExists): services "flask-service" already exists :\Mindows\system12>Kubectl get ing
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