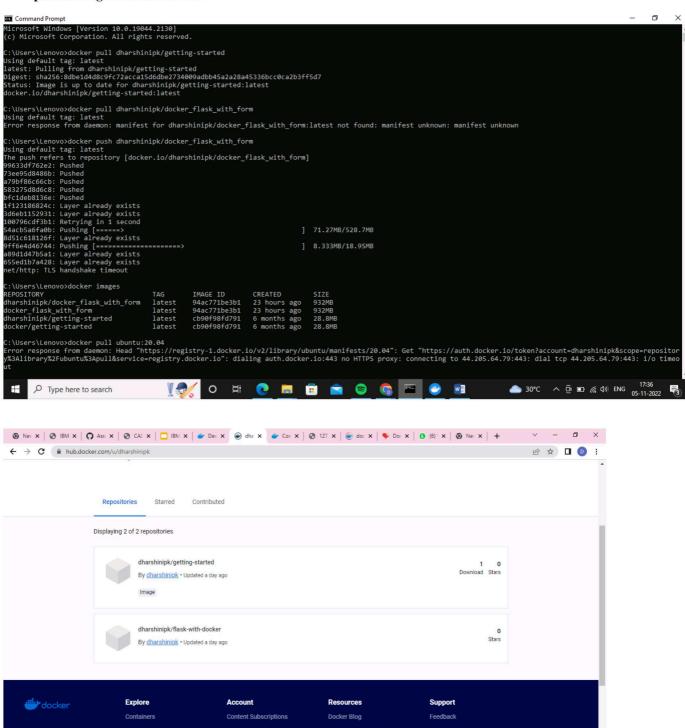
Assignment -4 Docker and kubernetes

Question-1:

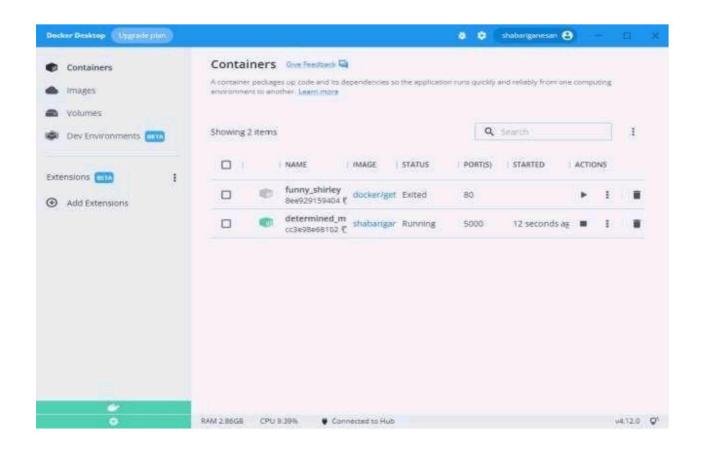
Type here to search

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

pull an image form docker hub



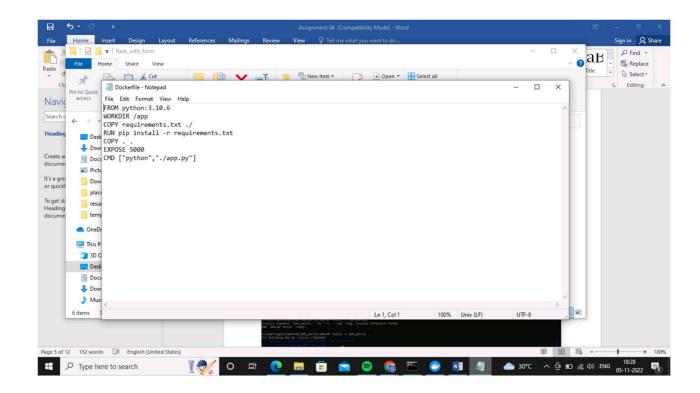
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Question-2:

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

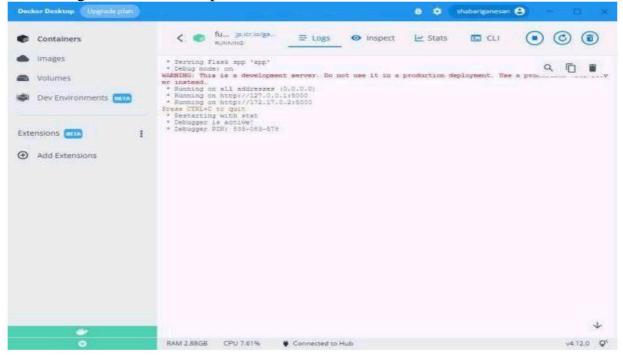
Creating a docker file for the jobportal applicatiom



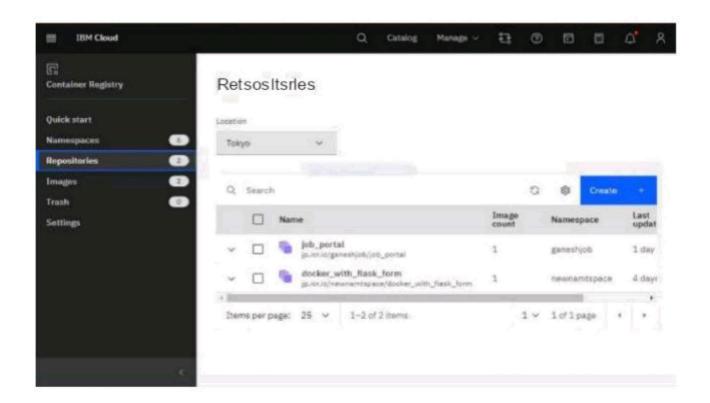
deploy in dokcer application

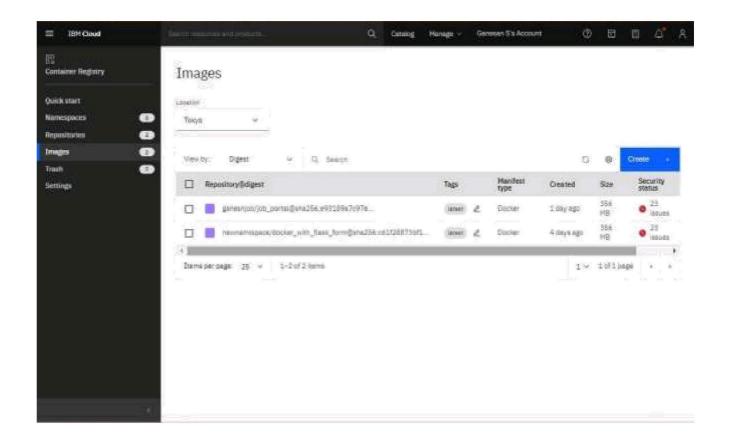
```
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```

running in docker desktop



Question-3: Create a Ibm container registry and deploy helloworld app or jobportalapp



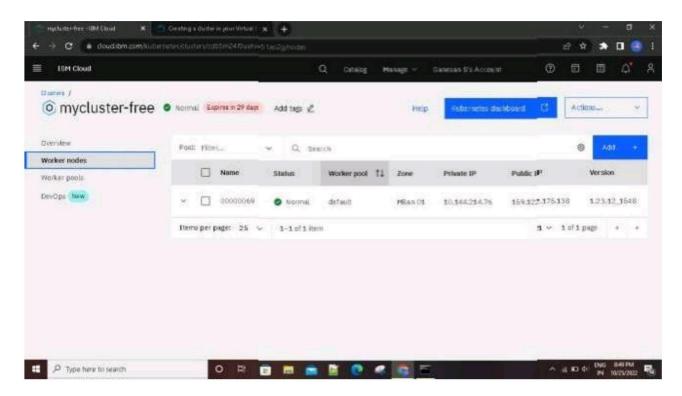


Deploy helloworld or jobportal

```
As Askabasan Martyling in 1 second officer with miles and the second officer of the second of the seco
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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

Creating a kubernetes cluster in ibm cloud



expose the same app to run in noteport

C//Windows/System32/cmd.acc 'Mindowsisystem32:kubectl expose deployment flask-app --type-modePort --name-flask service |
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 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-ModePort - name-flask service |
he Service "flask service" is invalid: metadata.name: invalid value: "flask service"; a DMS-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 '(a-z)((-a-zH-9)*(a-zH-9))2') :\Mindows\system32>kuhectl expose deployment flask-app --type-hodePort --name-Flask service
he Service "flask_service" is invalid: metadata.name: Invalid value: "flask_service": a DNS-1835 label aust 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-z8-9]*[a-z8-9])?') :\Mindows\systemT2>kubectl expose deployment flask-app --type-NodePort --name-flask-service rror from server (Already);xists): services "flask-service" already exists \Mindows\system32> \Mindows\system32>kubect1 -n kubernetes-deshboard get depploy \Mindows\systemi2>kubect1 -n kubernetes-dashboard get deploy resources found in kubernetes-dashboard namespace. :\Windows\system32\kuberti -n kubernetes-dashboard get deploy o resources found in kubernetes-dashboard namespace. :\Mindows\system32>kubect1 proxy tarting to serve on 127,0,0,1:8001 \Mindows\system32vkubectl -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. 'Ndindows\system32>kubectl expose deployment flask-app --type-NodePort --rror from server (AlreadyExists): services "flask-service" already exists -name-flask-service :\Mindows\system32>kubectl get ing
APH CLASS MCS1S MCSESS PORTS AGE
Iask-app-ingress cnome> * 80 27m \Mindows\system32>kubect1 get avc VME TYPE CLUSTER-IP