# Assignment - IV

#### **Docker & Kubernetes**

#### **Cloud Application Development**

Assignment Date	30 <sup>th</sup> October 2022
Student Name	Aravind C
Student Roll Number	61771921003
Maximum Marks	2 Marks

# Question-1:

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

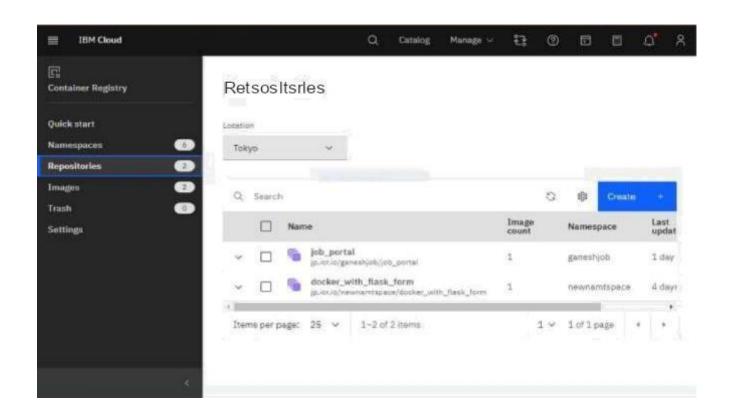
# pull an image form docker hub

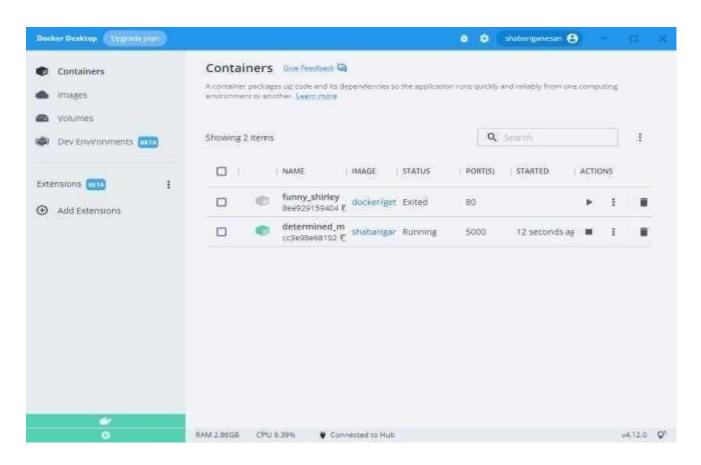
```
Microsoft Windows [Version 10.0.19044.1766]
(c) Microsoft Corporation. All rights reserved.

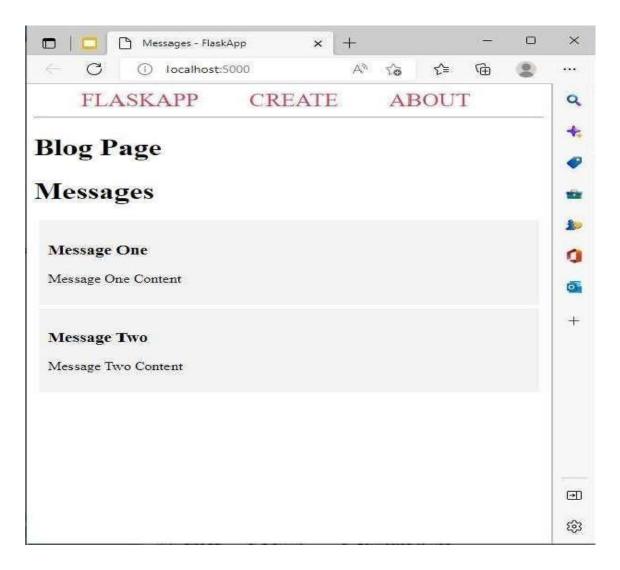
C:\Users\ADMINY-docker push shabariganesan/docker_with_flask_form
Using default tag: latest
Ine push refers to repository [docker.io/shabariganesan/docker_with_flask_form]
In image does not exist locally with the tag: shabariganesan/docker_with_flask_form

C:\Users\ADMINY-docker push shabariganesan/docker_with_flask_form
Using default tag: latest
latest: Pulling from shabariganesan/docker_with_flask_form
1071505cc86f: Pull complete
2084013e5Ser; Pull complete
2084013e5Ser; Pull complete
208407526c65s: Pull complete
208405265ded Pull complete
2084013e5Ser; Pull complete
208401656ded Pull complete
208401666ded Pull complete
```

runt it in docker playground







# **Question-2:**

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

Creating a docker file for the jobportal application

# deploy in in dokcer application

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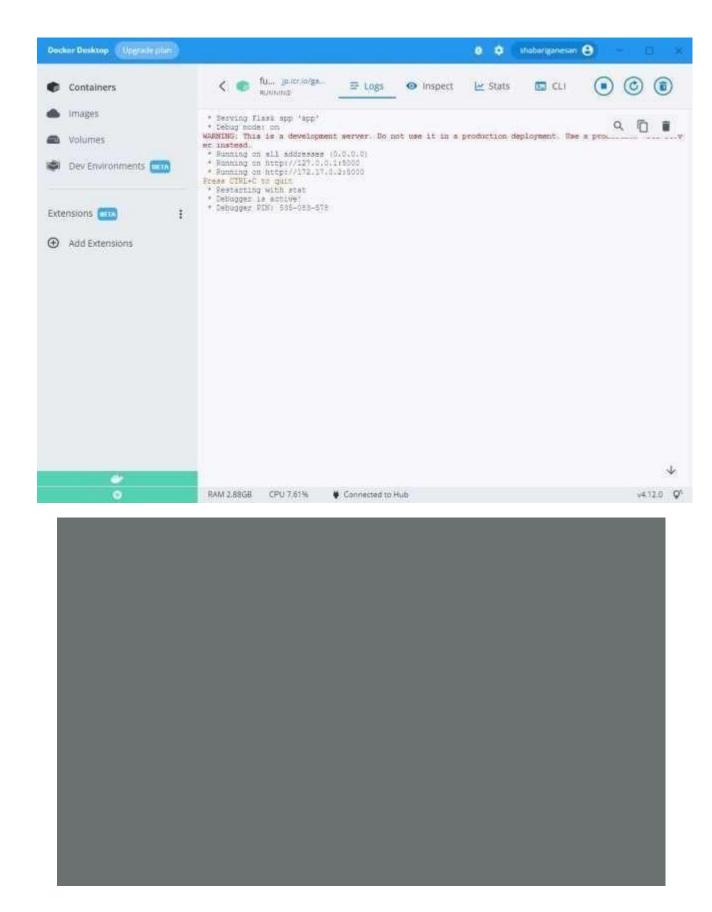
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running in docker desktop 1

# create a ibm container registry

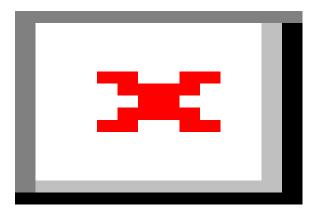


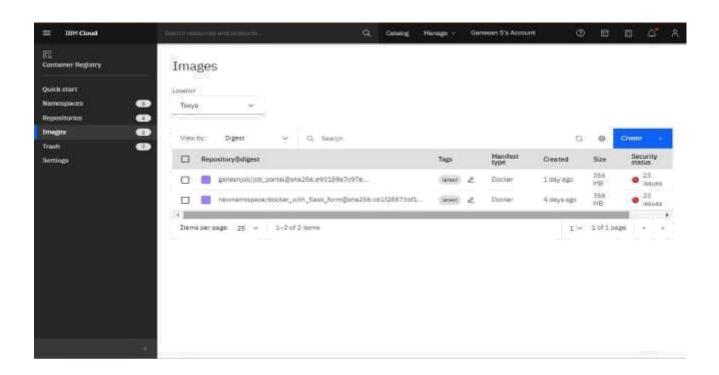
#### deployhelloworld or jobportal

```
Exception introduction

Exception

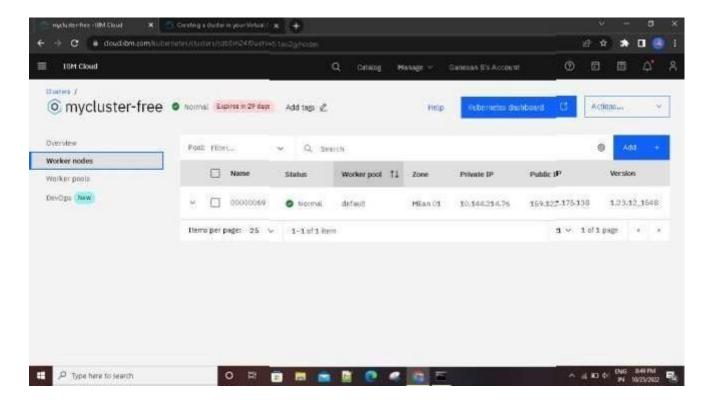
Exceptio
```





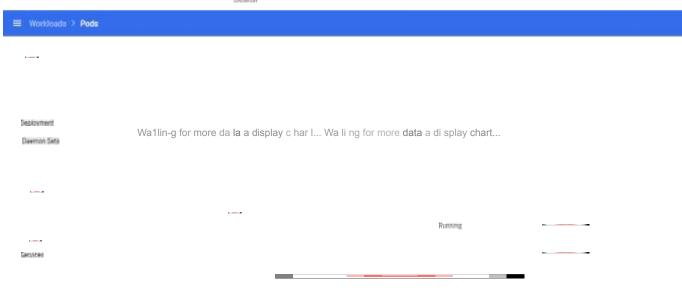
Question-4: Create a kubernetes cluster in ibm cloud and deploy helloworld image or jobportal image and also expose the same app to run in noteport

#### Creating a kubernetes cluster in ibm cloud



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

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Twing Flank and 'app'

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#[[anksPlank]: bis is a development server. Bo nut use it in a production deployment. Use a production MSGI server instead.B[dm

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ming on http://122.0.0.15000

Ming on http://122.0.0.25115900

Mress CFR.-C to quitS[dm

starting with stat

sugger is active!

Sugger PIN: 110-437-349
```

C:\Windows\system23\submart\ expose deployment flask-app -type-NoodePort -name-flask service
To Service 'flask service' is invalid: netadata.name: invalid value: 'flask service' a DES:NOS label sust 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-26-9]\*[a-216-9])\*].
The Service 'flask service is invalid: netadata.name; numbled value: 'flask service are service' is invalid: netadata.name; numbled value: 'flask service' a DES:NOS 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-2]([-a-26-9]\*[a-216-9])\*')

C:\Windows\system22\submart\ end with an alphanumeric character (e.g. 'my-name', or 'abc-123', regex used for validation is '[a-2]([-a-26-9]\*[a-216-9])\*')

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C:\Windows\system22\submart\ end with an alphanumeric character (e.g. 'my-name', or 'abc-123', regex used for validation is '[a-2]([-a-26-9]\*[a-216-9])\*')

C:\Windows\system22\submart\ end with an alphanumeric character (e.g. 'my-name', or 'abc-123', regex used for validation is '[a-216-2]\*(a-26-9]\*(a-26-9)\*')

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