1) To pull an image from docker hub and run it in docker playground

```
tethurangsethu:-$ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

sethurangsethu:-$ docker lages

REPOSITORY TAG IMAGE ID CREATED SIZE

mongo latest d98599fdd65 3 months ago 699MB

mongo latest d98599fdd65 3 months ago 698MB

mongo latest aa4d65e670d6 15 months ago 105MB

mongo experss latest f8felb77027 16 months ago 105MB

mongo-express latest f8felb77027 16 months ago 105MB

mongo-express latest d1057221234 20 months ago 13.3MB

hello-world latest d11657221234 20 months ago 13.3MB

redis 4.0 910409fddd 2 years ago 89.3MB

sethurangsethu:-$ docker run hello-world

Mello from Docker!

This message, Docker took the following steps:

1. The Docker client contacted the Docker daemon.

2. The Docker daemon pulled the "hello-world" image from the Docker Hub.

(amd64)

3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.

4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal.

To try something more ambitious, you can run an Ubuntu container with:

$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:

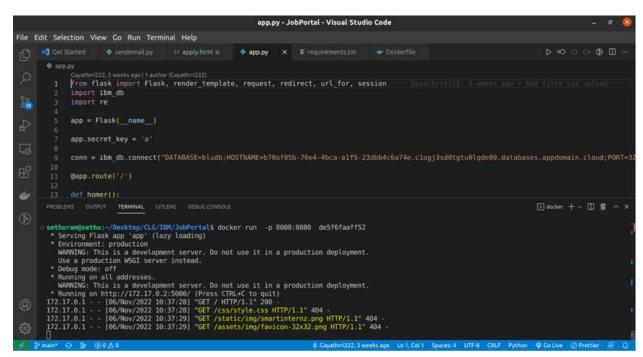
https://bub.docker.com/get-started/

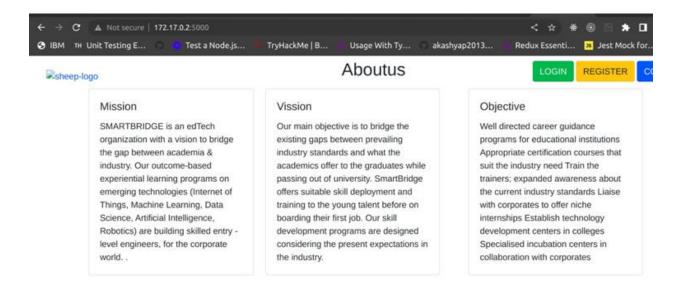
sethurangsethu:-$ docker run mongo

{"t":{"Saede:"2022-11-607683:26:99.463+09:00"},"s":"I", "c":"NETMORK", "id":4915701, "ctx":"-","msg":"Initialized wire specification","att

"":""seec":"inconingExternalClient":f"minWireVersion":0."maxWireVersion":3."incomingInternalClient":f"minWireVersion":9. "maxWireVersion":0."maxWireVersion":13."incomingInternalClient":f"minWireVersion":9. "maxWireVersion":0."maxWireVersion":13."incomingInternalClient":f"minWireVersion":9. "maxWireVersion":0."maxWireVersion":13."incomingInternalClient":f"minWireVersion":9. "maxWireVersion":0."maxWireVersion":13."incomingInternalClient":f"minWireVersion":9. "maxWireVersion":13."incomingInternalClient":f"minWireVersion":9. "maxWireVersion":13."incomingInternalClient":f"minWireVersion":9. "maxWireVersion":13."incomingInternalClie
```

2) Create Docker file for the job portal application and deploy it in Docker Desktop Application





## **JobPortal**

Lorem ipsum dolor sit amet consectetur adipisicing elit. Voluptatum quis, reiciendis id magni magnam, accusamus nobis in, temporibus molestias ab placeat rerum aperiam illum perspiciatis ducimus non! Fugiat, odit ducimus.

## Get in Touch

- jobportal@gmail.com
- +91 8977787657
- 3) Create a IBM Container Registry and deploy job portal app or hello world app

```
sethuram@sethu:-/Downloads/IBM_Cloud_CLI_2.12.1_amd64/Bluemix_CLI$ ibmcloud cr namespace-add sethuram52001

Mo resource group is targeted. Therefore, the default resource group for the account ('Default') is targeted.

Adding namespace 'sethuram52001' in resource group 'Default' for account Sethuram Venkatesan's Account in registry icr.io...

Successfully added namespace 'sethuram52001'

OK

Sethuram@sethu:-/Downloads/IBM_Cloud_CLI_2.12.1_amd64/Bluemix_CLI$ ibmcloud cr login
Logging 'docker' in to 'icr.io'...

OK

Sethuram@sethu:-/Downloads/IBM_Cloud_CLI_2.12.1_amd64/Bluemix_CLI$ docker pull hello-world

Using default tag: latest

Using default tag: latest

Digest: sha256:e18f0a777aefabe047a671ab3ec3eed05414477c951ab1a6f352a06974245fe7

Status: Downloaded newer inage for hello-world:latest

docker.io/ltbrary/hello-world:latest

docker.io/ltbrary/hello-world:latest

sethuram@sethu:-/Downloads/IBM_Cloud_CLI_2.12.1_amd64/Bluemix_CLI$ docker tag hello-world icr.io/sethuram52001/tbmsnartintern:hello-world

sethuram@sethu:-/Downloads/IBM_Cloud_CLI_2.12.1_amd64/Bluemix_CLI$ docker push icr.io/sethuram52001/tbmsnartintern:hello-world

sethuramgsethu:-/Downloads/IBM_Cloud_CLI_2.12.1_amd64/Bluemix_CLI$ bencloud cr inage-list

Listing inages...

Repository

Tag

Digest

Namespace

Created

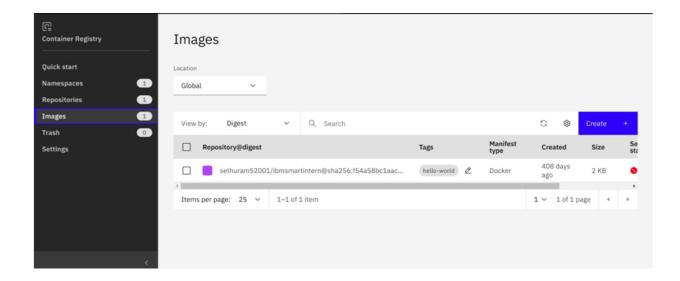
Size

Security status

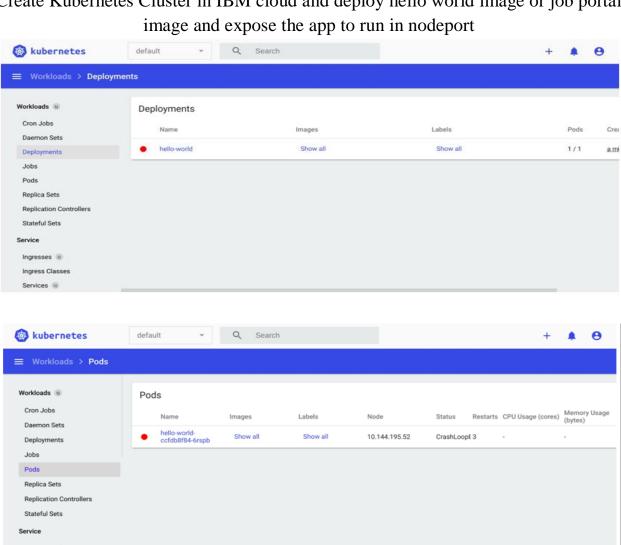
icr.io/sethuram52001/tbmsnartintern

hello-world f54a58bciaac

sethuram9sethu:-/Downloads/IBM_Cloud_CLI_2.12.1_amd64/Bluemix_CLI$
```



5) Create Kubernetes Cluster in IBM cloud and deploy hello world image or job portal



Ingress Classes

https://eu-de.containers.cloud.ibm.com/kubeproxy/clusters/cdjp7uuf05artqhfith0/service/#/pod?namespace=defaulters/cdjp7uuf05artqhfith0/servi