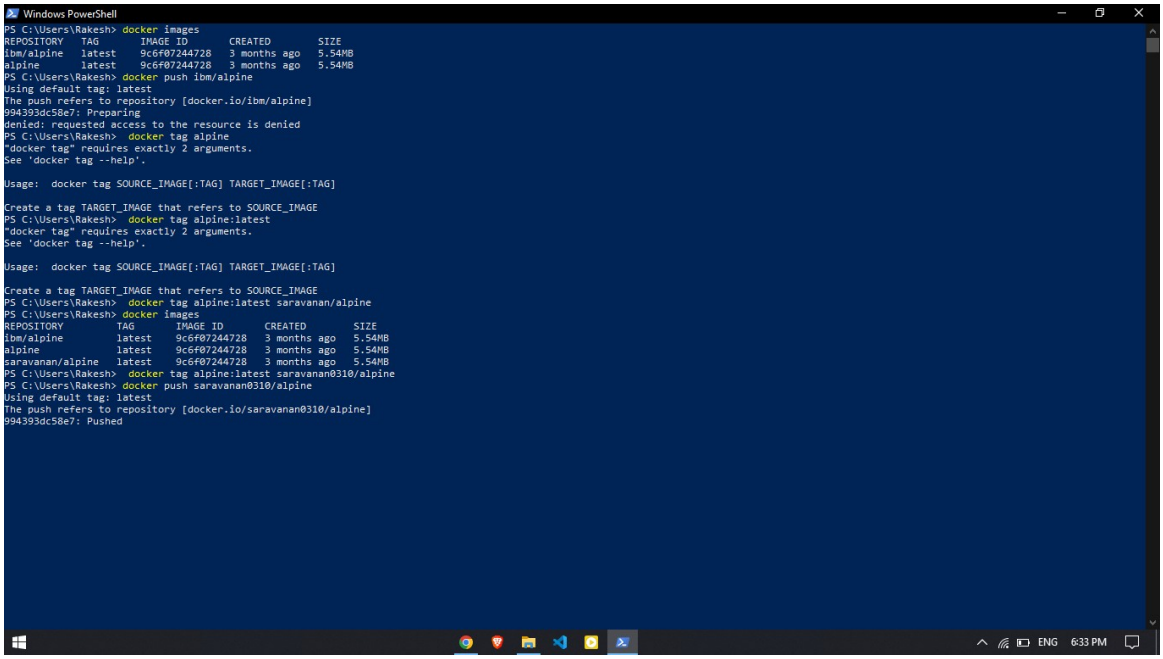
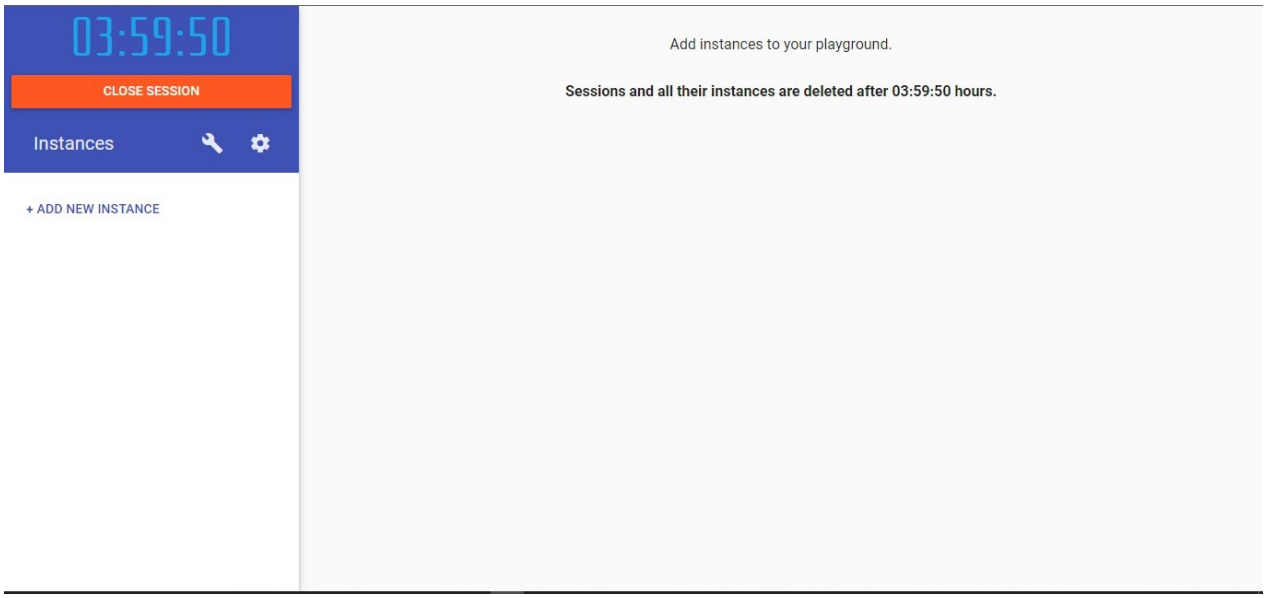
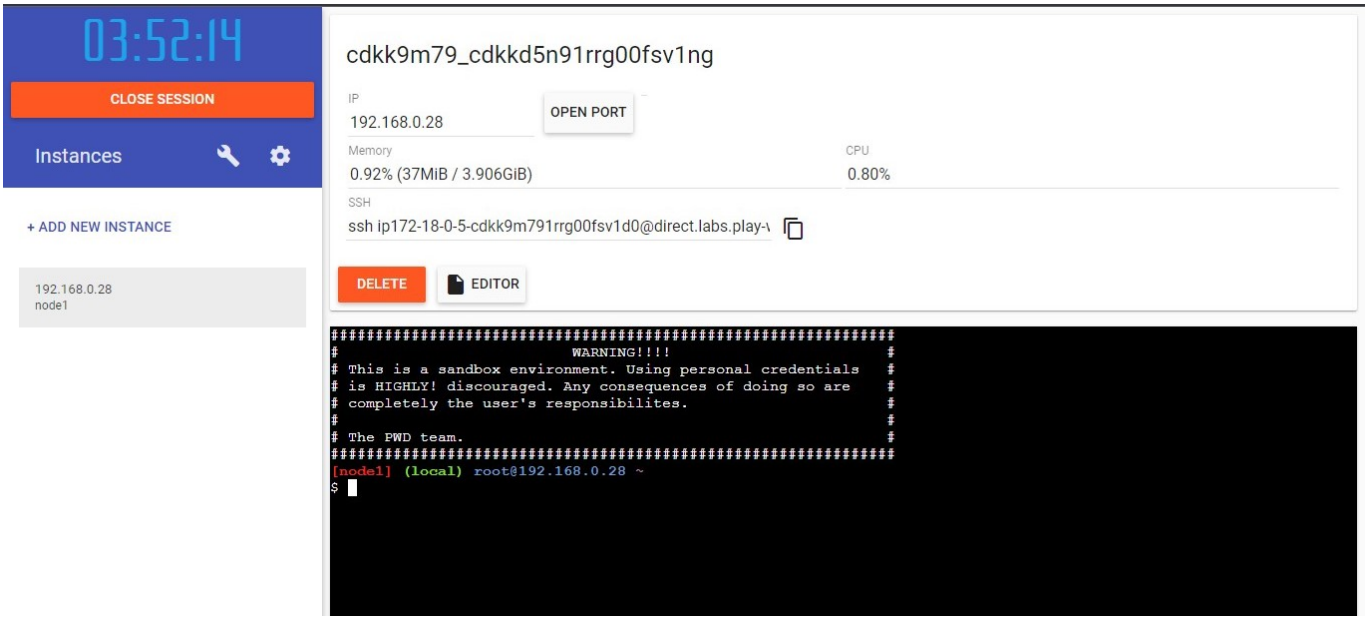
Assignment - 4

Assignment Date	**17 November 2022**
Student Name	**LAVANYA M**
Student Roll Number	**310619104060**
Maximum Marks	**2 Marks**

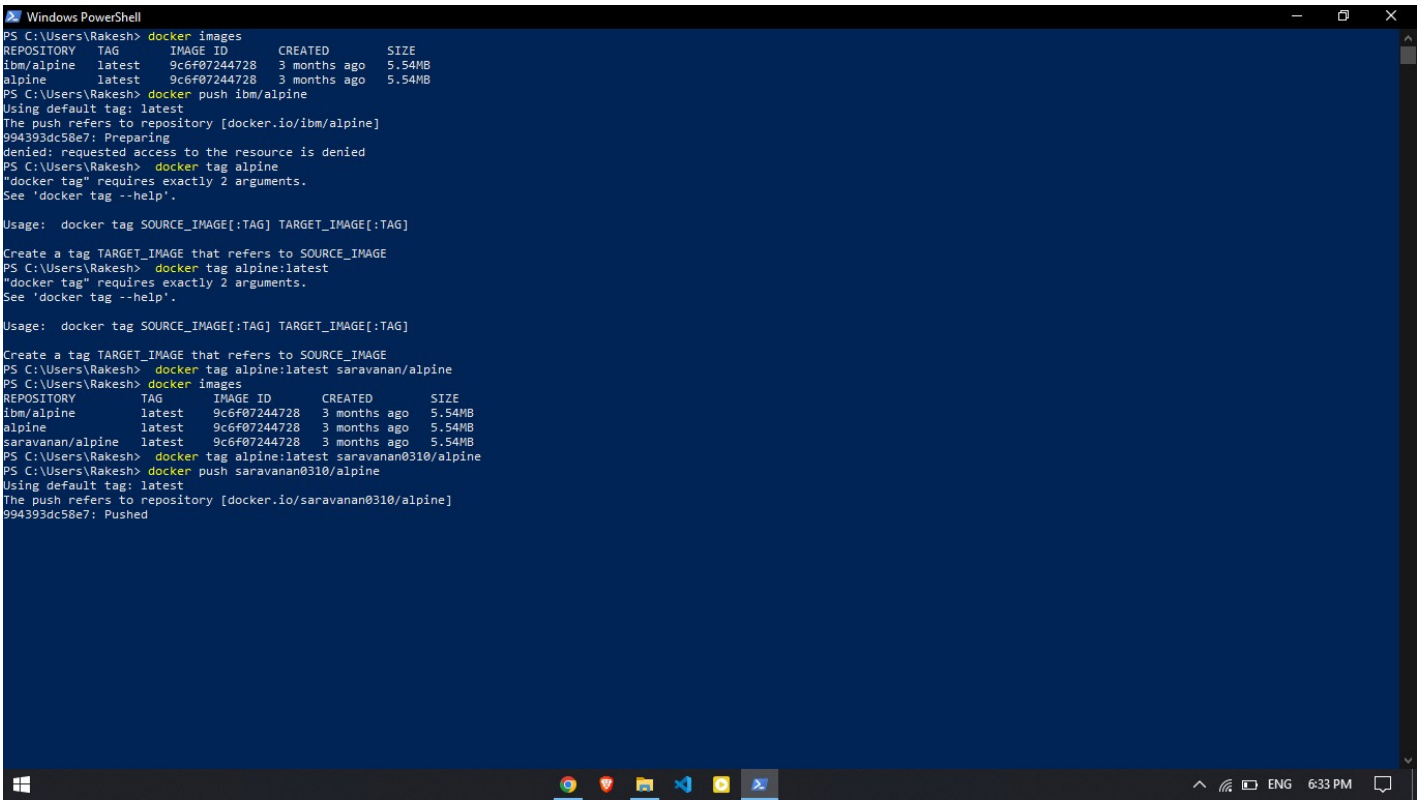
1. Pull an Image from docker hub and run it in docker playground.



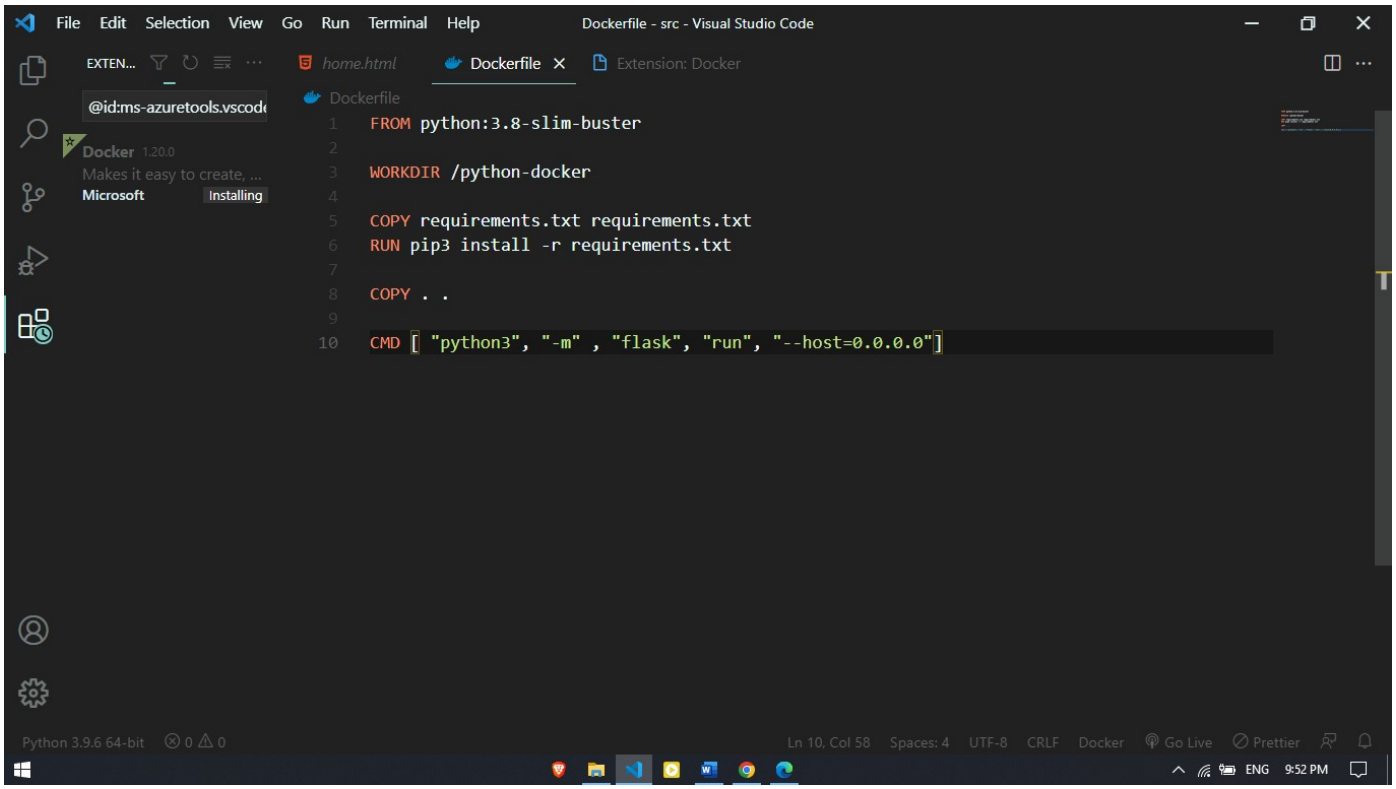




2.Create a docker file for the jobportal application and deploy it in Docker desktop application.



Dockerfile


File Edit Selection View Go Run Terminal Help
Dockerfile - src - Visual Studio Code
EXTEN...
home.html
Dockerfile
Extension: Docker
@id:ms-azuretools.vscode
Docker 1.20.0
Makes it easy to create, ...
Microsoft
Installing
Dockerfile
1 FROM python:3.8-slim-buster
2
3 WORKDIR /python-docker
4
5 COPY requirements.txt requirements.txt
6 RUN pip3 install -r requirements.txt
7
8 COPY . .
9
10 CMD ["python3", "-m" , "flask", "run", "--host=0.0.0.0"]
Python 3.9.6 64-bit
Ln 10, Col 58
Spaces: 4
UTF-8
CRLF
Docker
Go Live
Prettier
ENG
9:52 PM

Email address

Password

Sign in

Not a member? Signup

Sign up

Your Name

Your Email

Password

Repeat your password

I agree all statements in Terms of service

Job Finder Application

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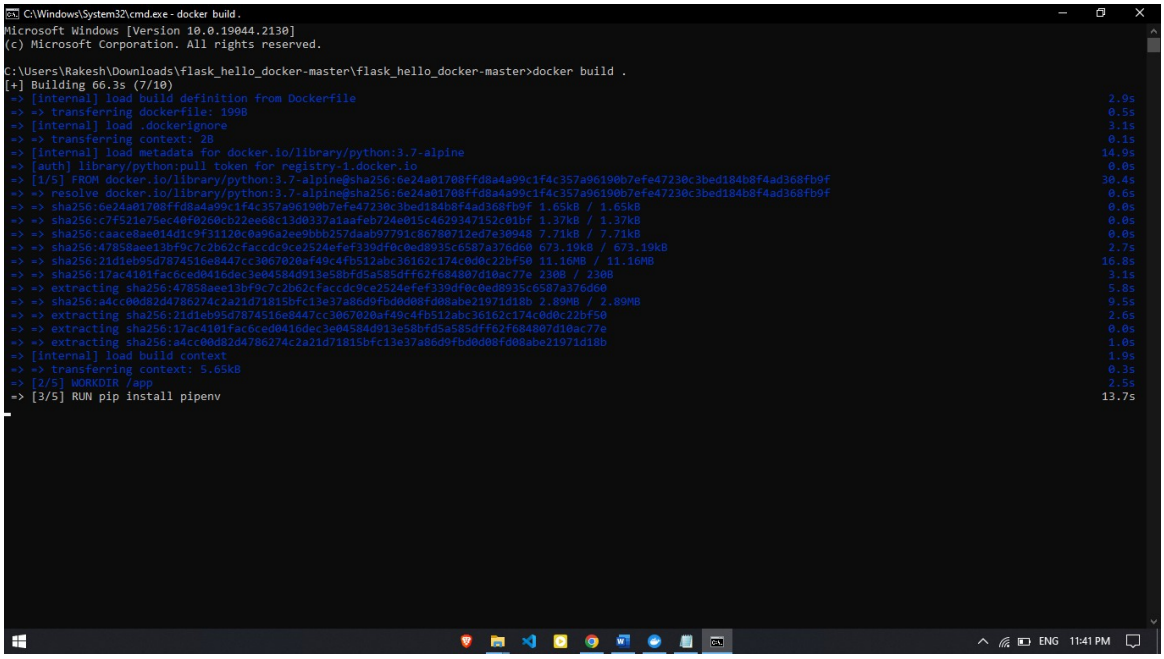
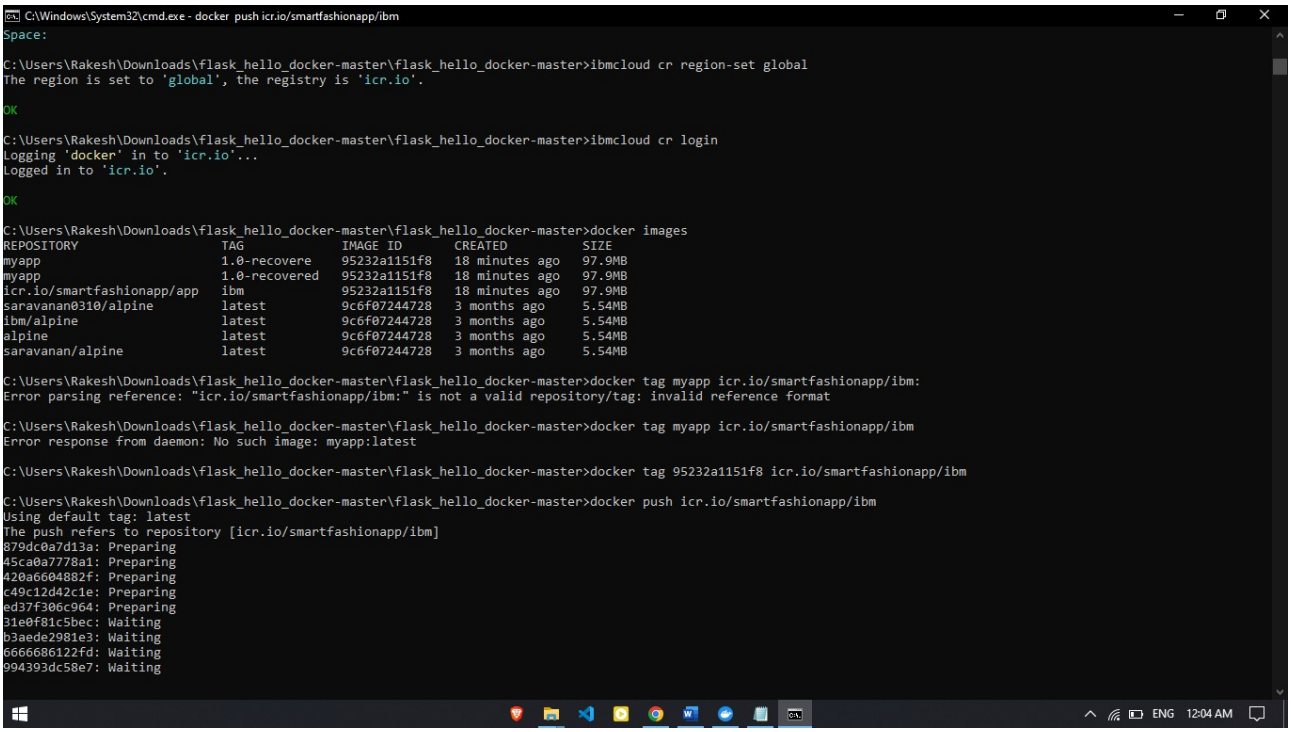
JOB FINDER

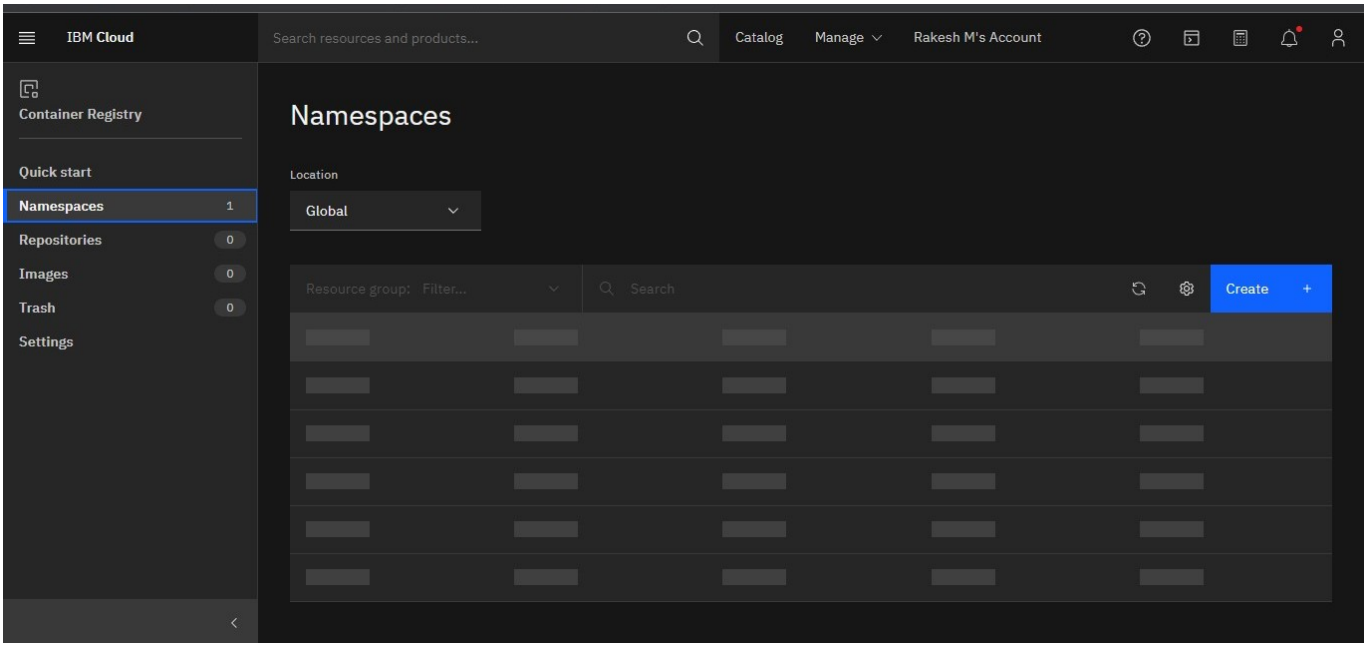
Latest job searching

searching

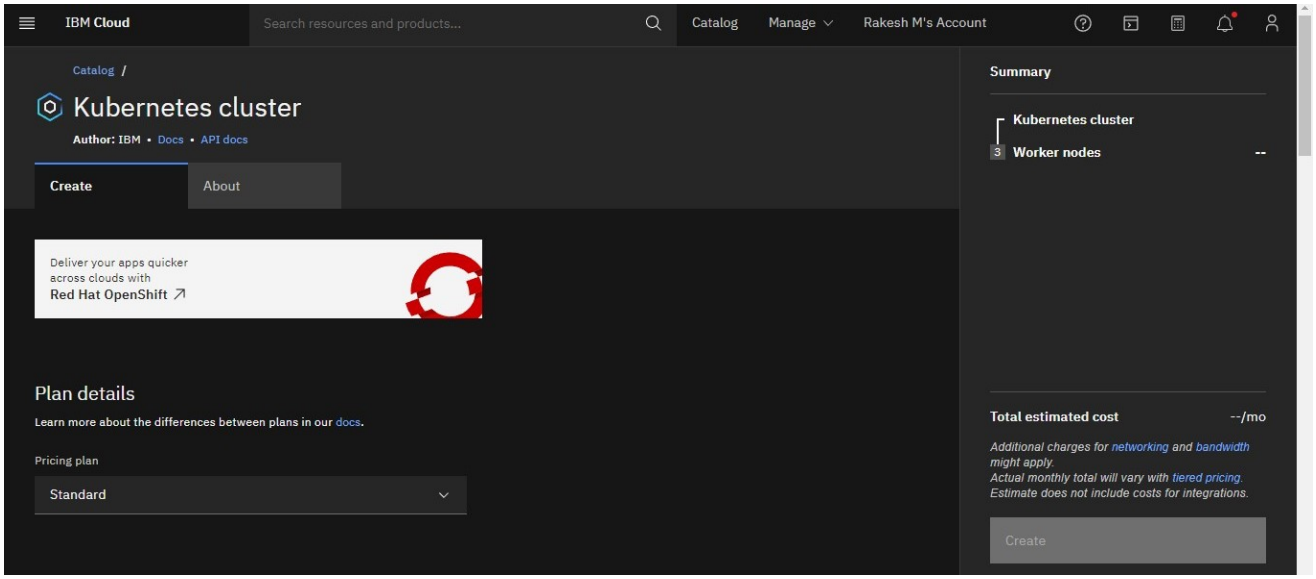
3.Create a IBM container registry and deploy helloworld app or jobportalapp.

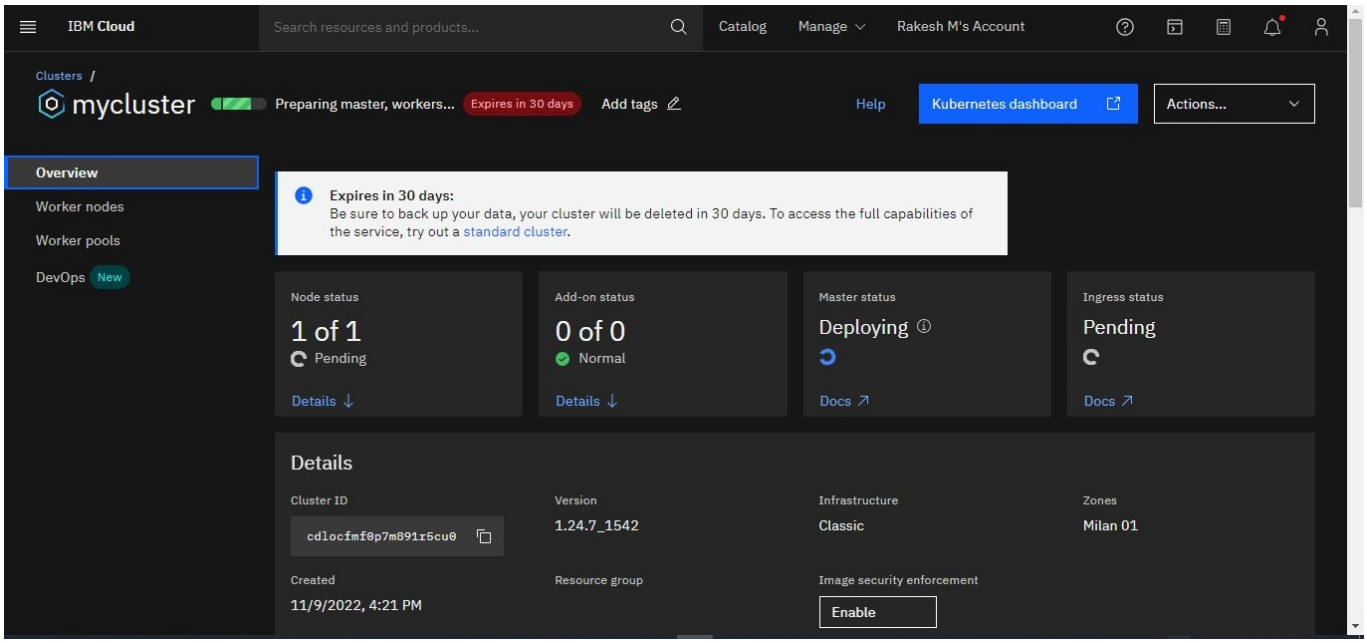


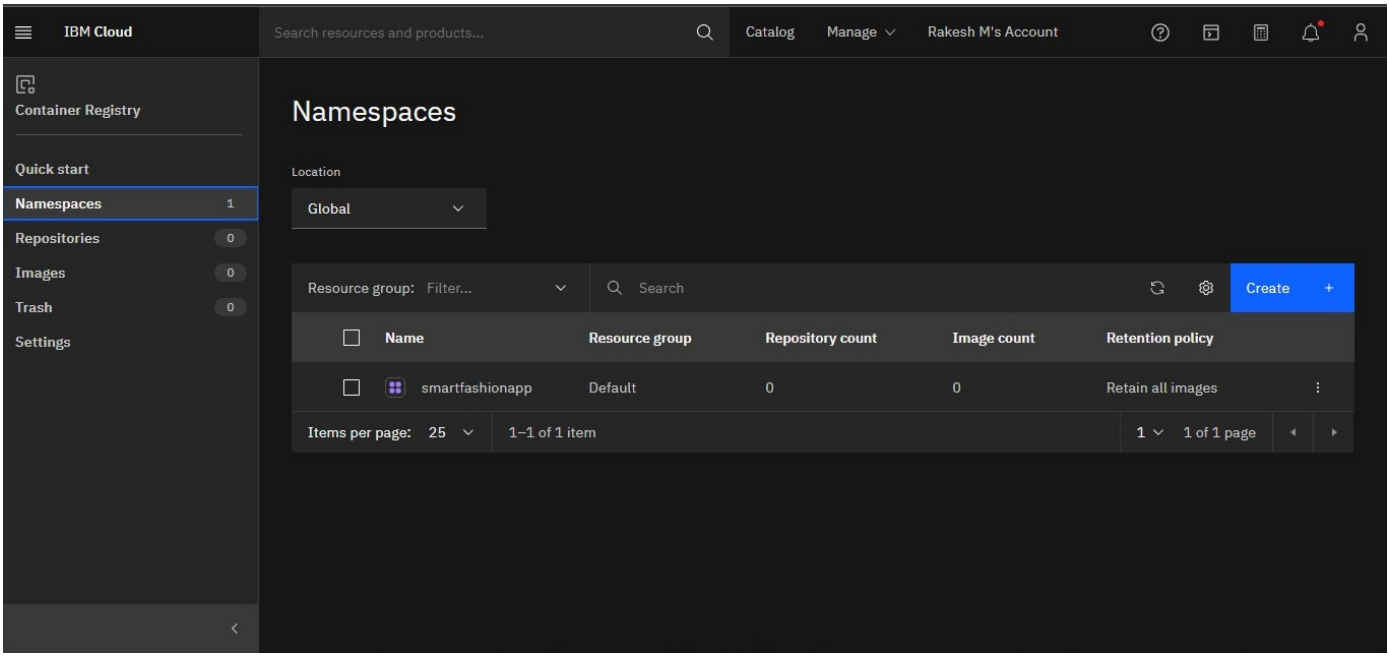

C:\Windows\System32\cmd.exe - docker push icr.io/smartfashionapp/ibm
Space:
C:\Users\Rakesh\Downloads\flask_hello_docker-master\flask_hello_docker-master>ibmcloud cr region-set global
The region is set to 'global', the registry is 'icr.io'.
OK
C:\Users\Rakesh\Downloads\flask_hello_docker-master\flask_hello_docker-master>ibmcloud cr login
Logging 'docker' in to 'icr.io'...
Logged in to 'icr.io'.
OK
C:\Users\Rakesh\Downloads\flask_hello_docker-master\flask_hello_docker-master>docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
myapp 1.0-recovere 95232a1151f8 18 minutes ago 97.9MB
myapp 1.0-recovered 95232a1151f8 18 minutes ago 97.9MB
icr.io/smartfashionapp/app ibm 95232a1151f8 18 minutes ago 97.9MB
saravanan0310/alpine latest 9c6f07244728 3 months ago 5.54MB
ibm/alpine latest 9c6f07244728 3 months ago 5.54MB
alpine latest 9c6f07244728 3 months ago 5.54MB
saravanan/alpine latest 9c6f07244728 3 months ago 5.54MB
C:\Users\Rakesh\Downloads\flask_hello_docker-master\flask_hello_docker-master>docker tag myapp icr.io/smartfashionapp/ibm:
Error parsing reference: "icr.io/smartfashionapp/ibm:" is not a valid repository/tag: invalid reference format
C:\Users\Rakesh\Downloads\flask_hello_docker-master\flask_hello_docker-master>docker tag myapp icr.io/smartfashionapp/ibm
Error response from daemon: No such image: myapp:latest
C:\Users\Rakesh\Downloads\flask_hello_docker-master\flask_hello_docker-master>docker tag 95232a1151f8 icr.io/smartfashionapp/ibm
C:\Users\Rakesh\Downloads\flask_hello_docker-master\flask_hello_docker-master>docker push icr.io/smartfashionapp/ibm
Using default tag: latest
The push refers to repository [icr.io/smartfashionapp/ibm]
879dc0a7d13a: Preparing
45ca0a7778a1: Preparing
420a6604882f: Preparing
c49c12d42c1e: Preparing
ed37f306c964: Preparing
31e0f81c5bec: Waiting
b3aede2981e3: Waiting
6666686122fd: Waiting
994393dc58e7: Waiting
ENG 12:04 AM


IBM Cloud
Search resources and products...
Catalog
Manage
Rakesh M's Account
Container Registry
Quick start
Namespaces 1
Repositories 0
Images 0
Trash 0
Settings
Namespaces
Location
Global
Resource group: Filter...
Search
Create

4.Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.




IBM Cloud
Search resources and products...
Catalog
Manage
Rakesh M's Account
Clusters /
mycluster
Preparing master, workers...
Expires in 30 days
Add tags
Help
Kubernetes dashboard
Actions...
Overview
Worker nodes
Worker pools
DevOps
New
Expires in 30 days:
Be sure to back up your data, your cluster will be deleted in 30 days. To access the full capabilities of the service, try out a standard cluster.
Node status
1 of 1
Pending
Details
Add-on status
0 of 0
Normal
Details
Master status
Deploying
Docs
Ingress status
Pending
Docs
Details
Cluster ID
cdlocfmf0p7m891r5cu0
Version
1.24.7_1542
Infrastructure
Classic
Zones
Milan 01
Created
11/9/2022, 4:21 PM
Resource group
Image security enforcement
Enable


IBM Cloud
Search resources and products...
Catalog
Manage
Rakesh M's Account
Container Registry
Quick start
Namespaces 1
Repositories 0
Images 0
Trash 0
Settings
Namespaces
Location
Global
Resource group: Filter...
Search
Create
Name
Resource group
Repository count
Image count
Retention policy
smartfashionapp
Default
0
0
Retain all images
Items per page: 25
1–1 of 1 item
1
1 of 1 page