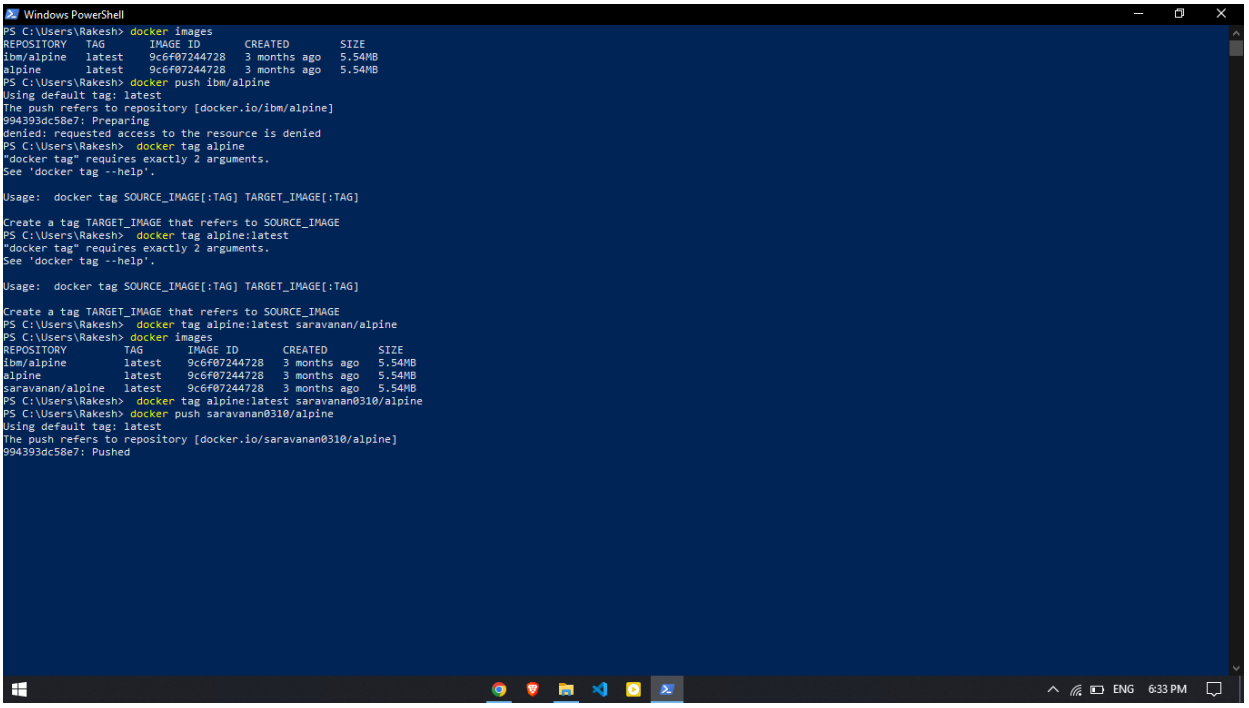
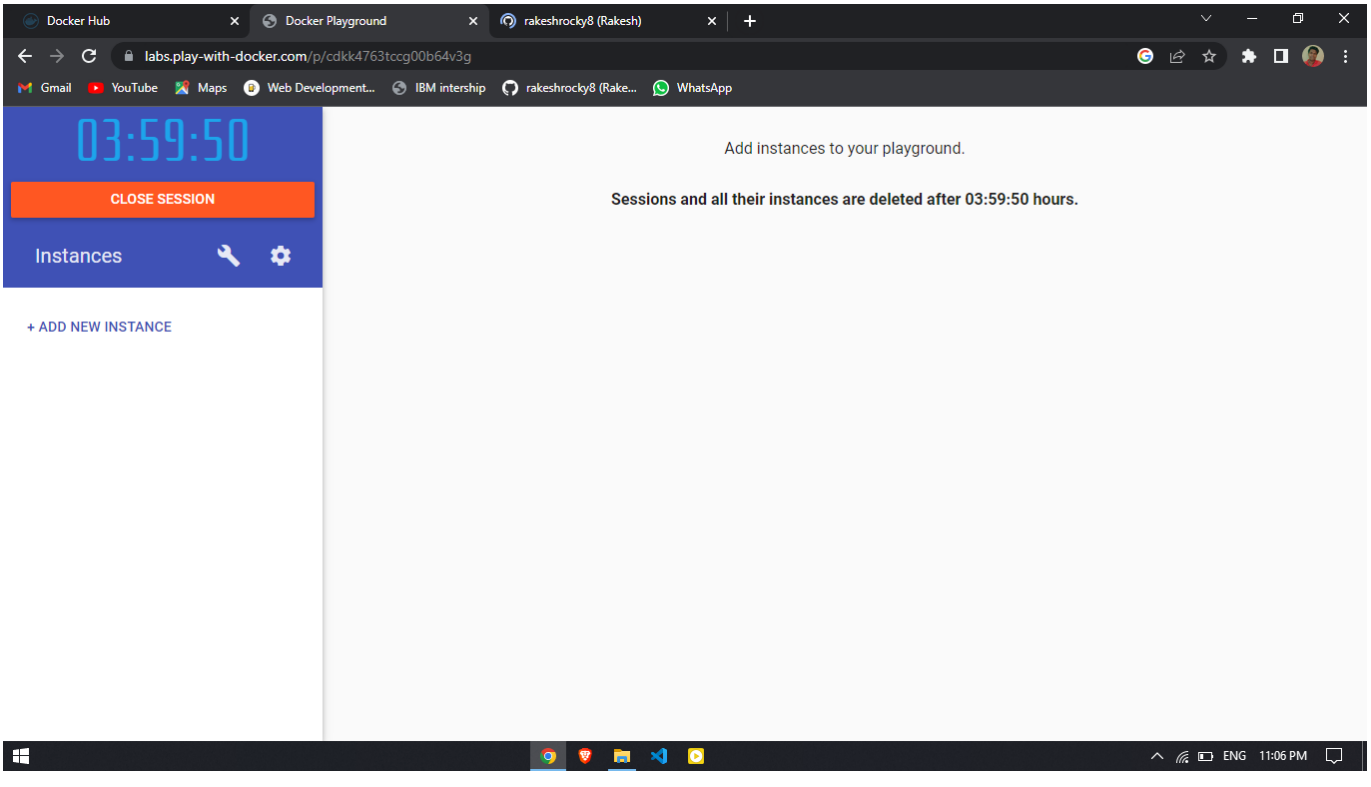
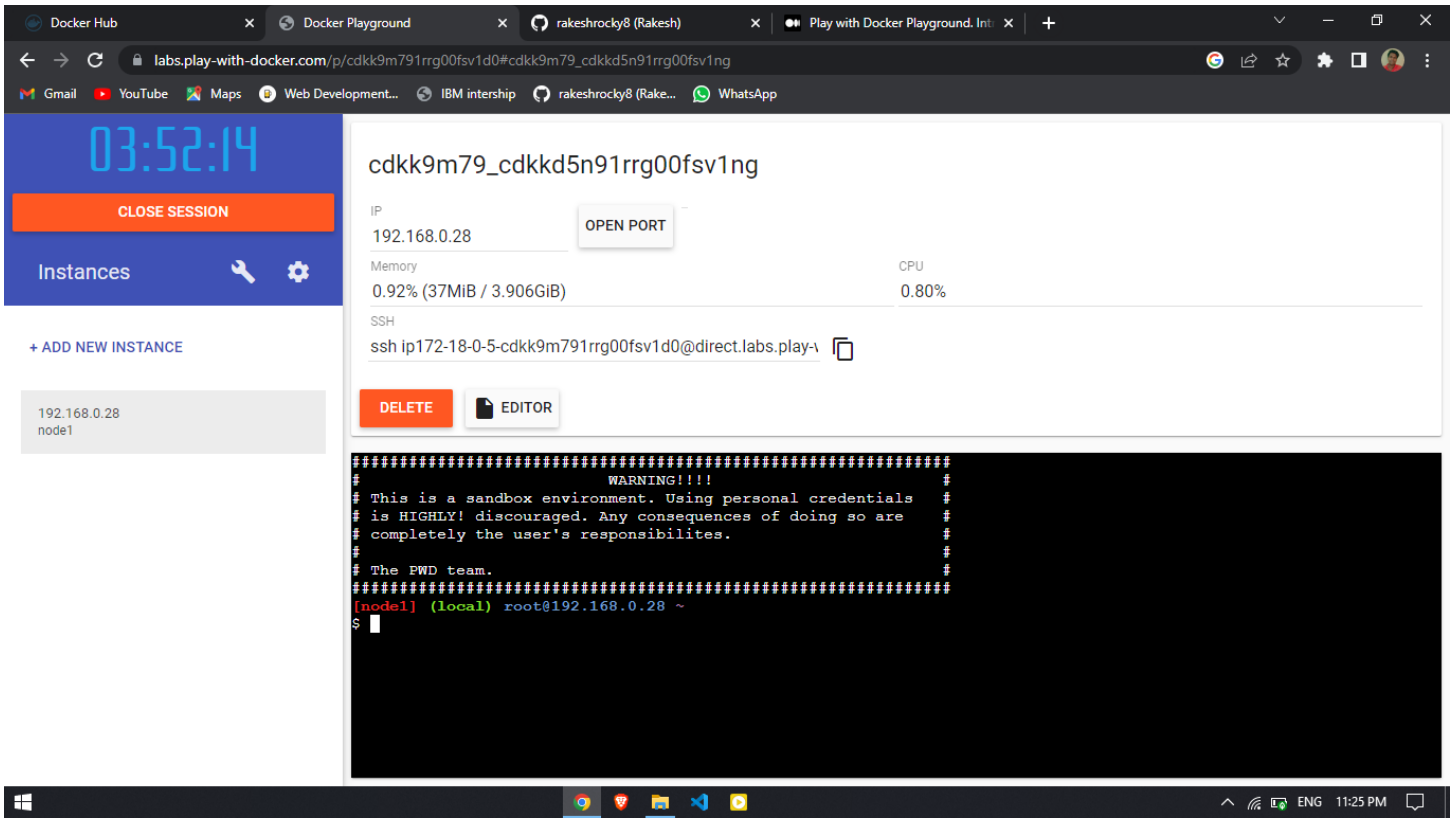
Assignment -4

Assignment Date	**19 September 2022**
Student Name	**Rakesh M**
Student Roll Number	**211219104009**
Maximum Marks	**2 Marks**

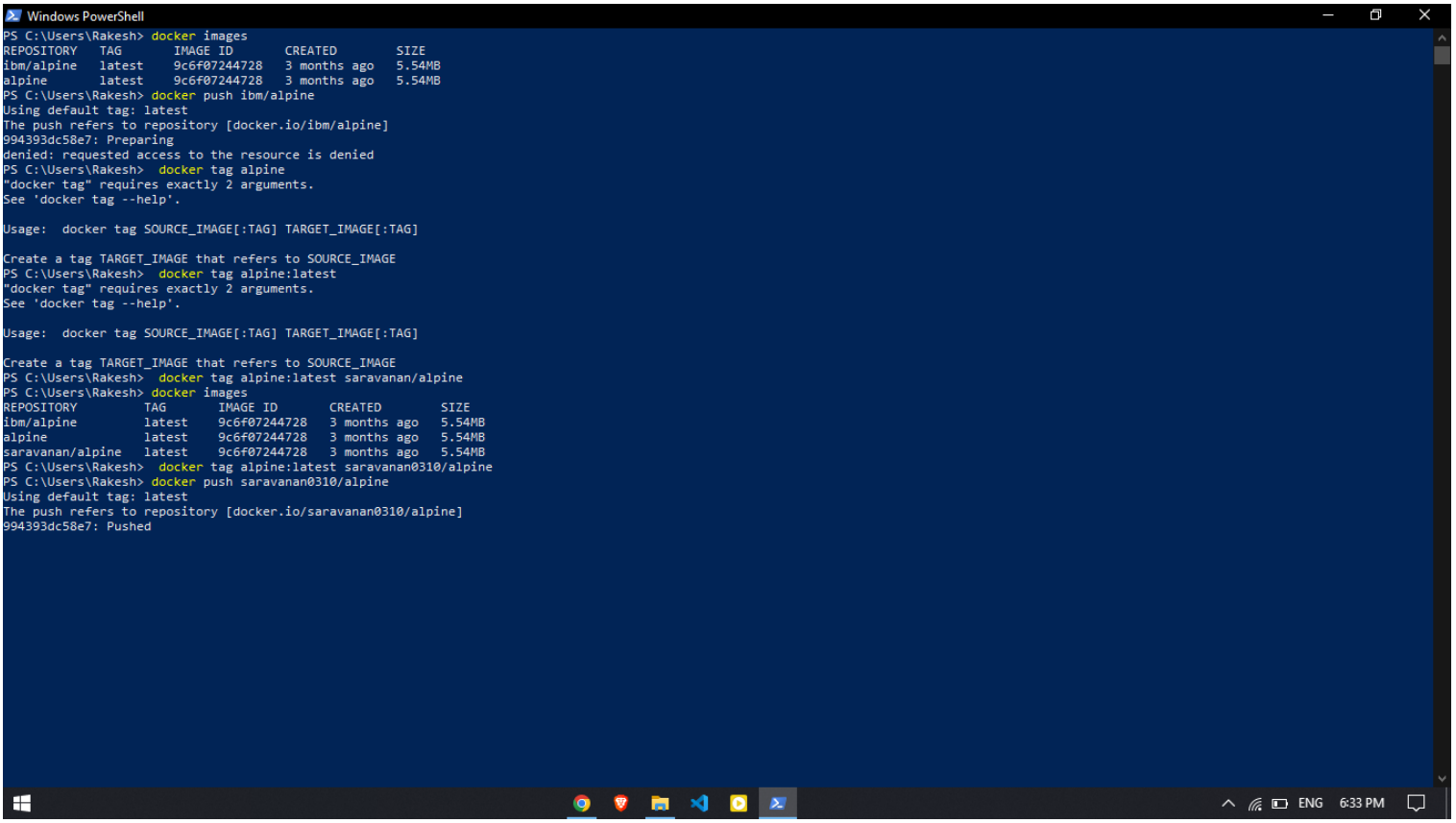
1.Pull an Image from docker hub and run it in docker playground.



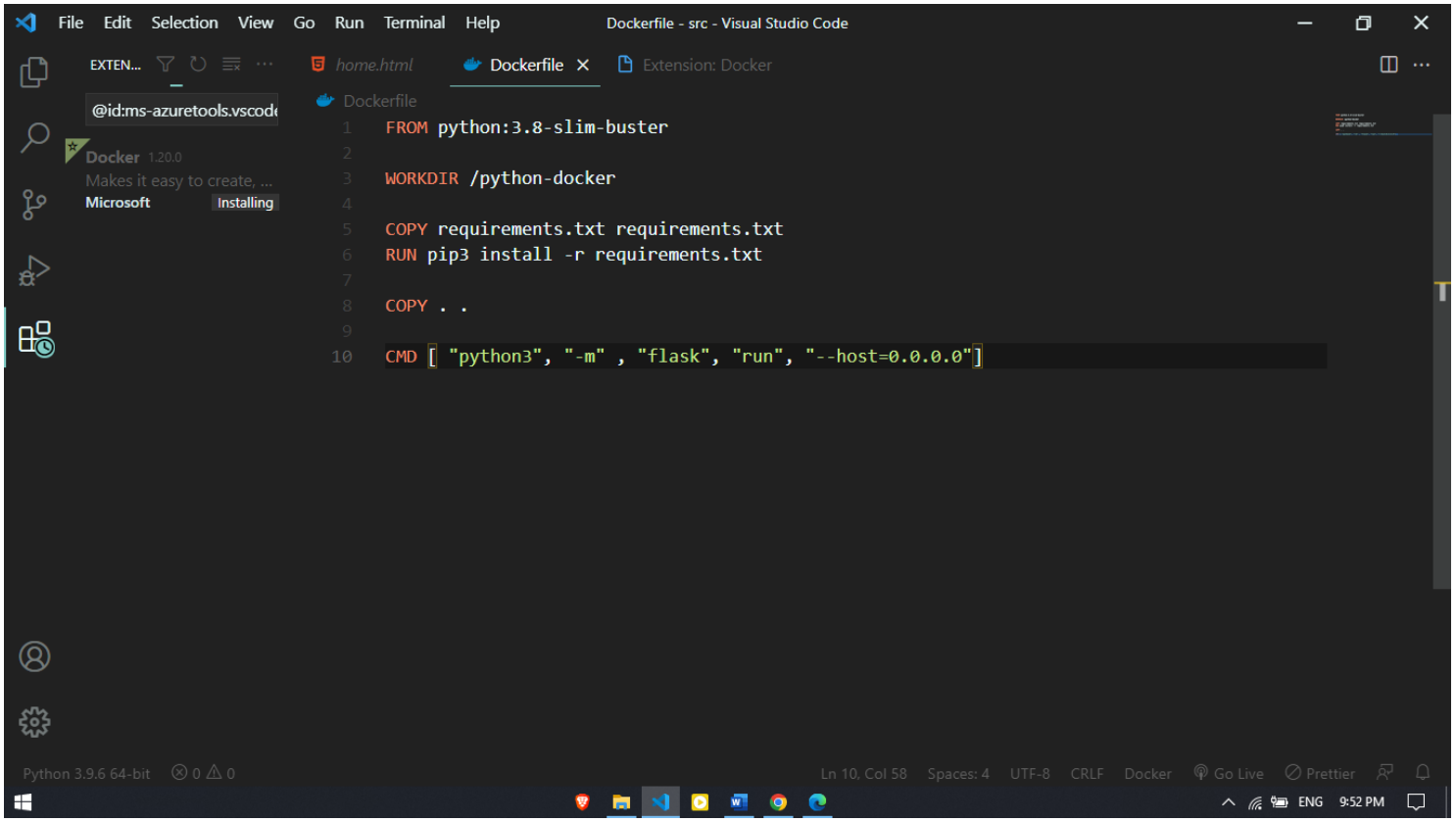




2.Create a docker file for the jobportal application and deploy it in Docker desktop application.



Dockerfile


File Edit Selection View Go Run Terminal Help
Dockerfile - src - Visual Studio Code
EXTEN...
home.html
Dockerfile
Extension: Docker
@id:ms-azuretools.vscod
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

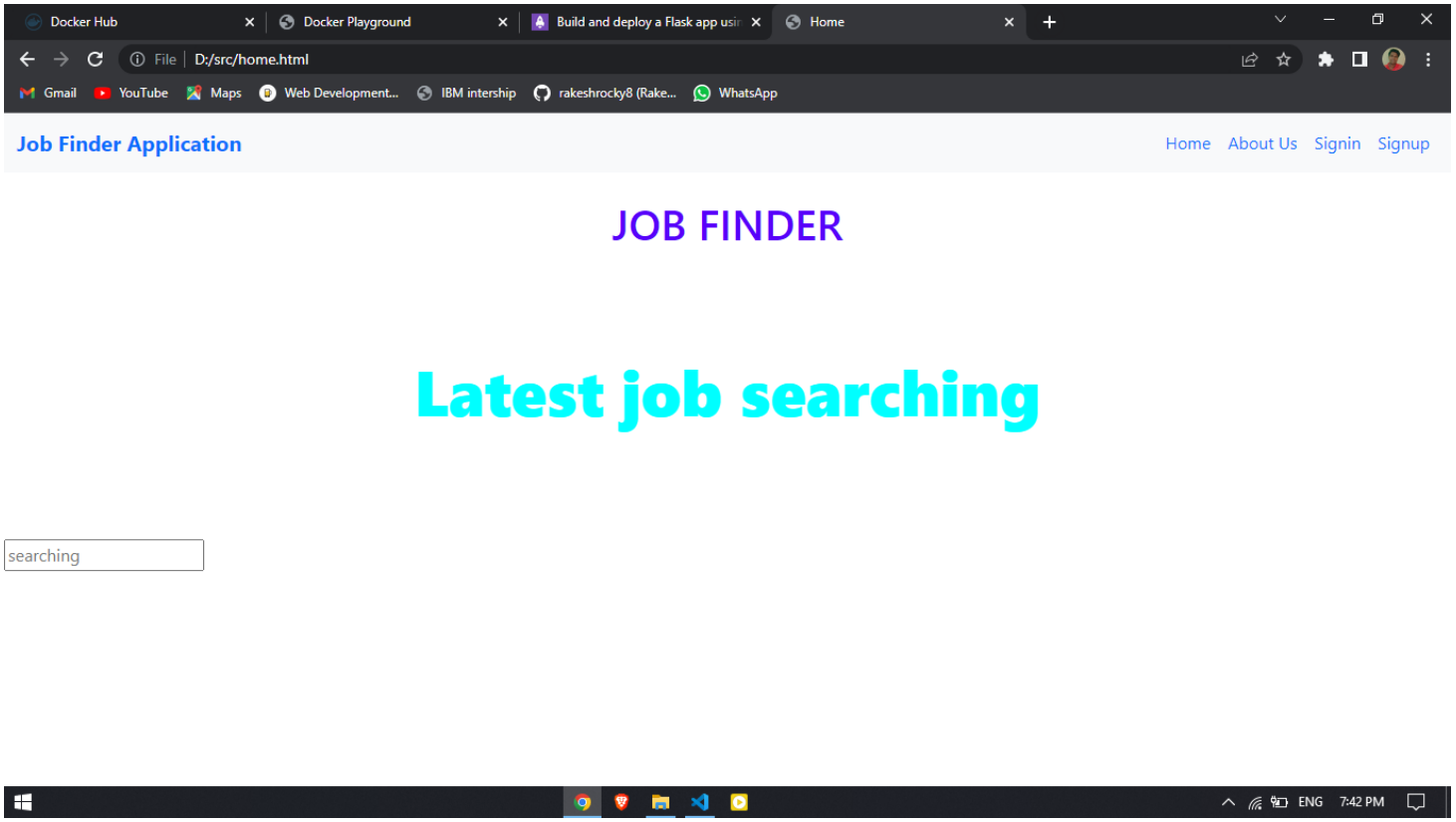
Your Name

Your Email

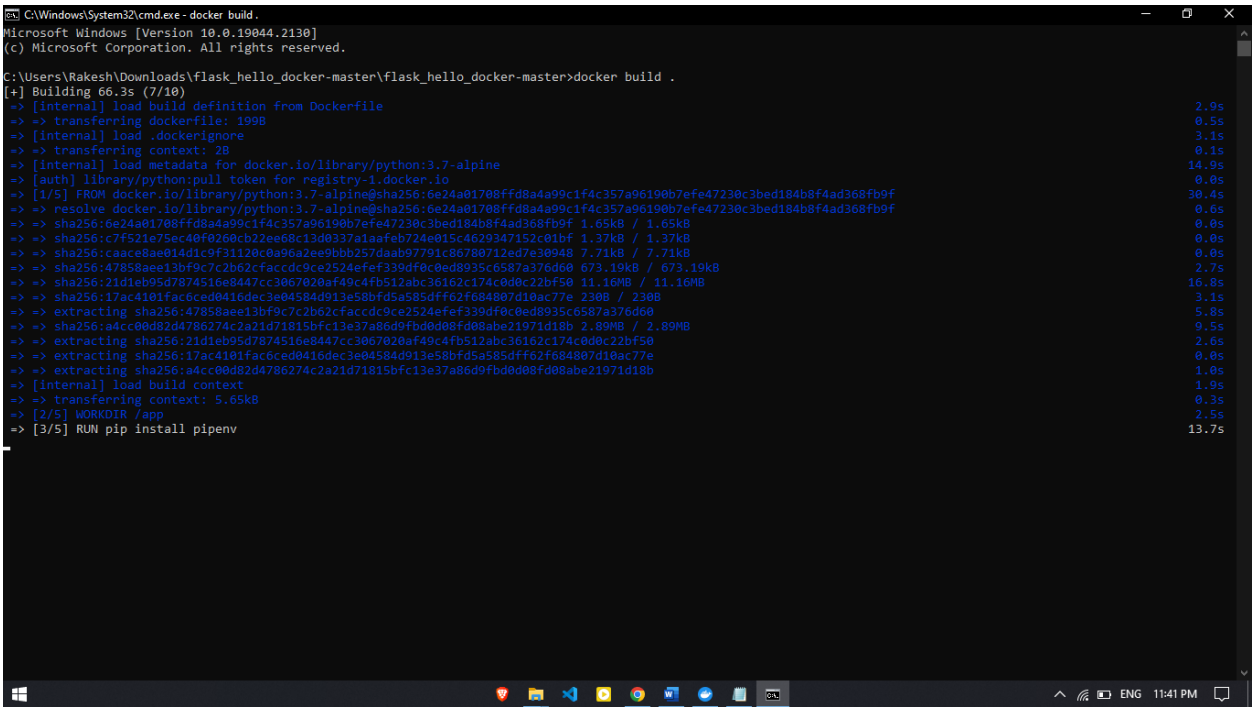
Password

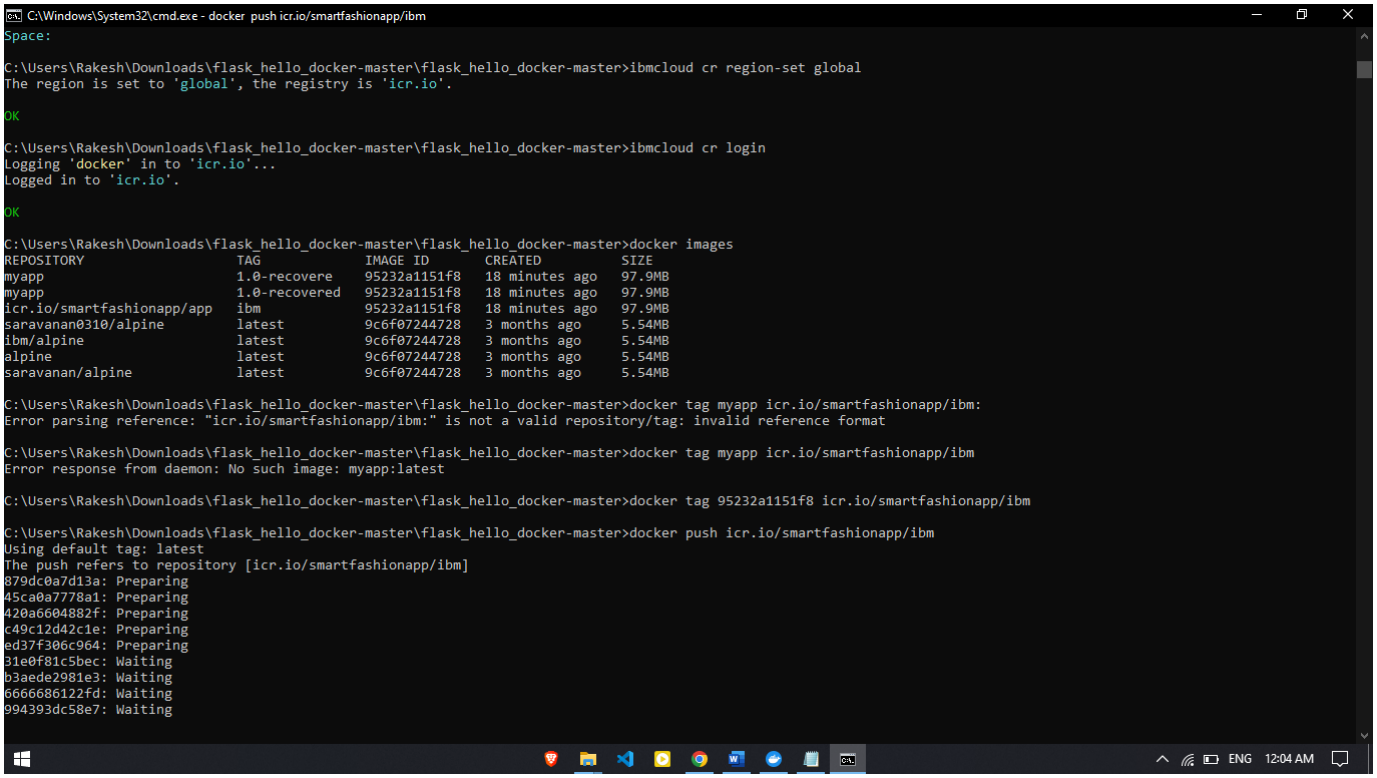
Repeat your password

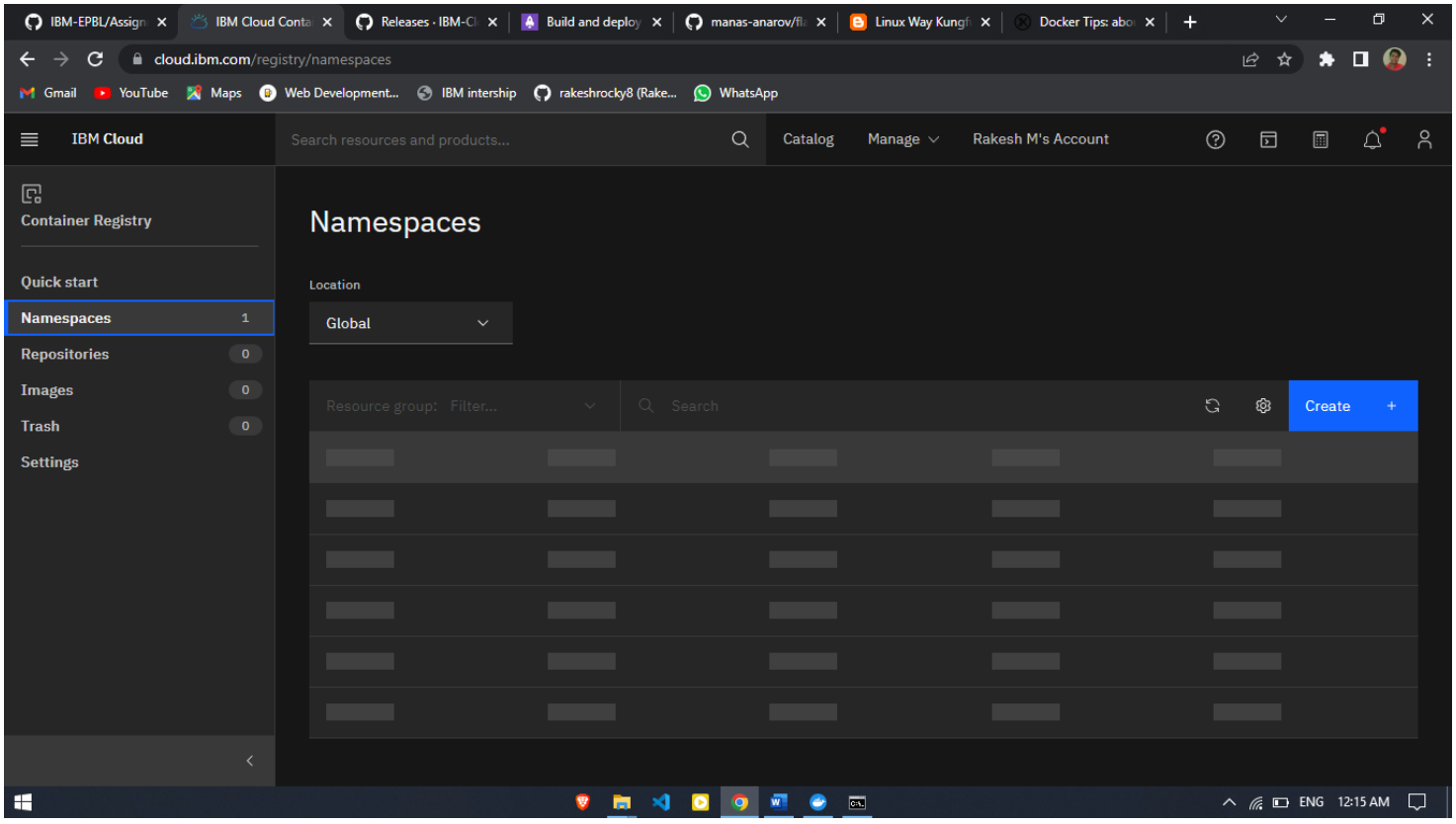
I agree all statements in Terms of service



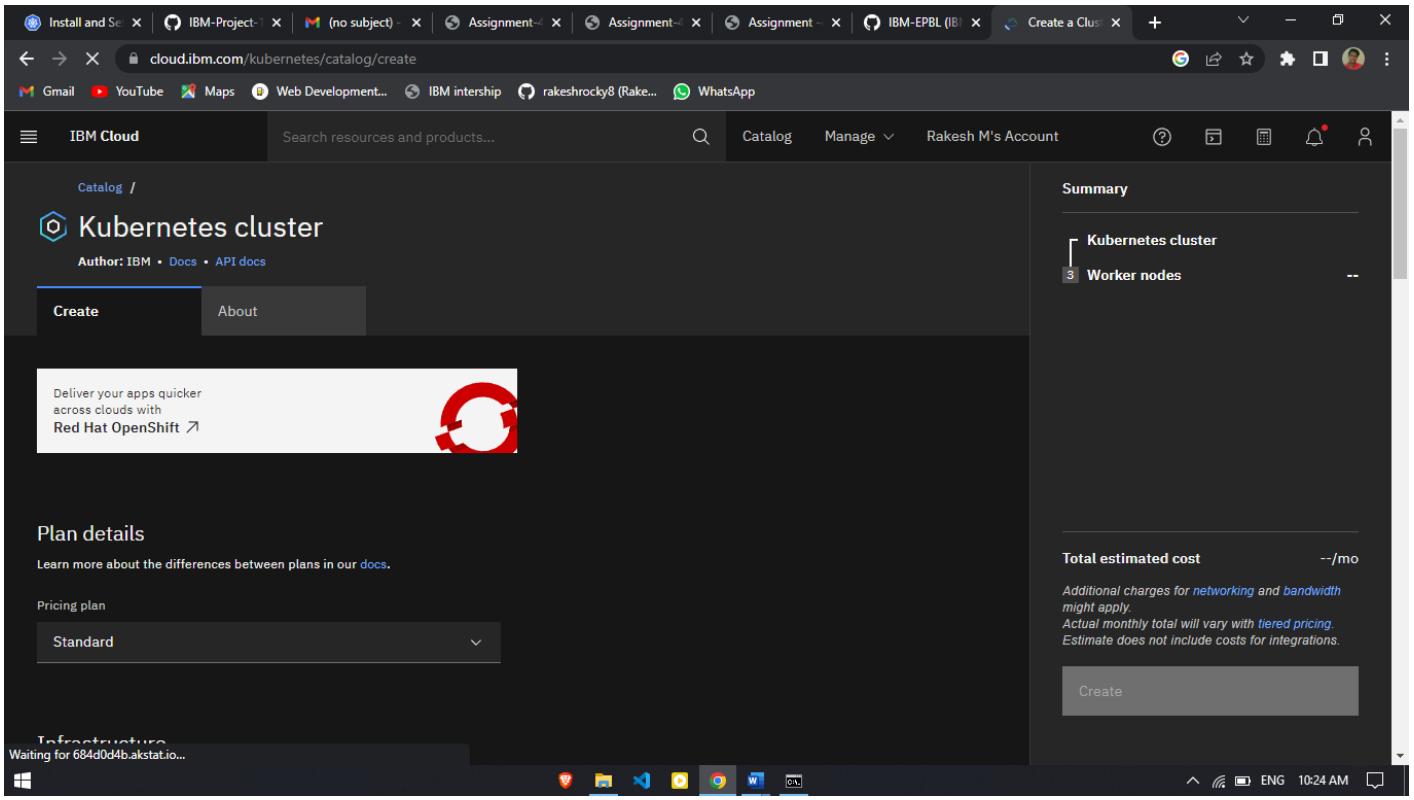
3.Create a IBM container registry and deploy helloworld app or jobportalapp.

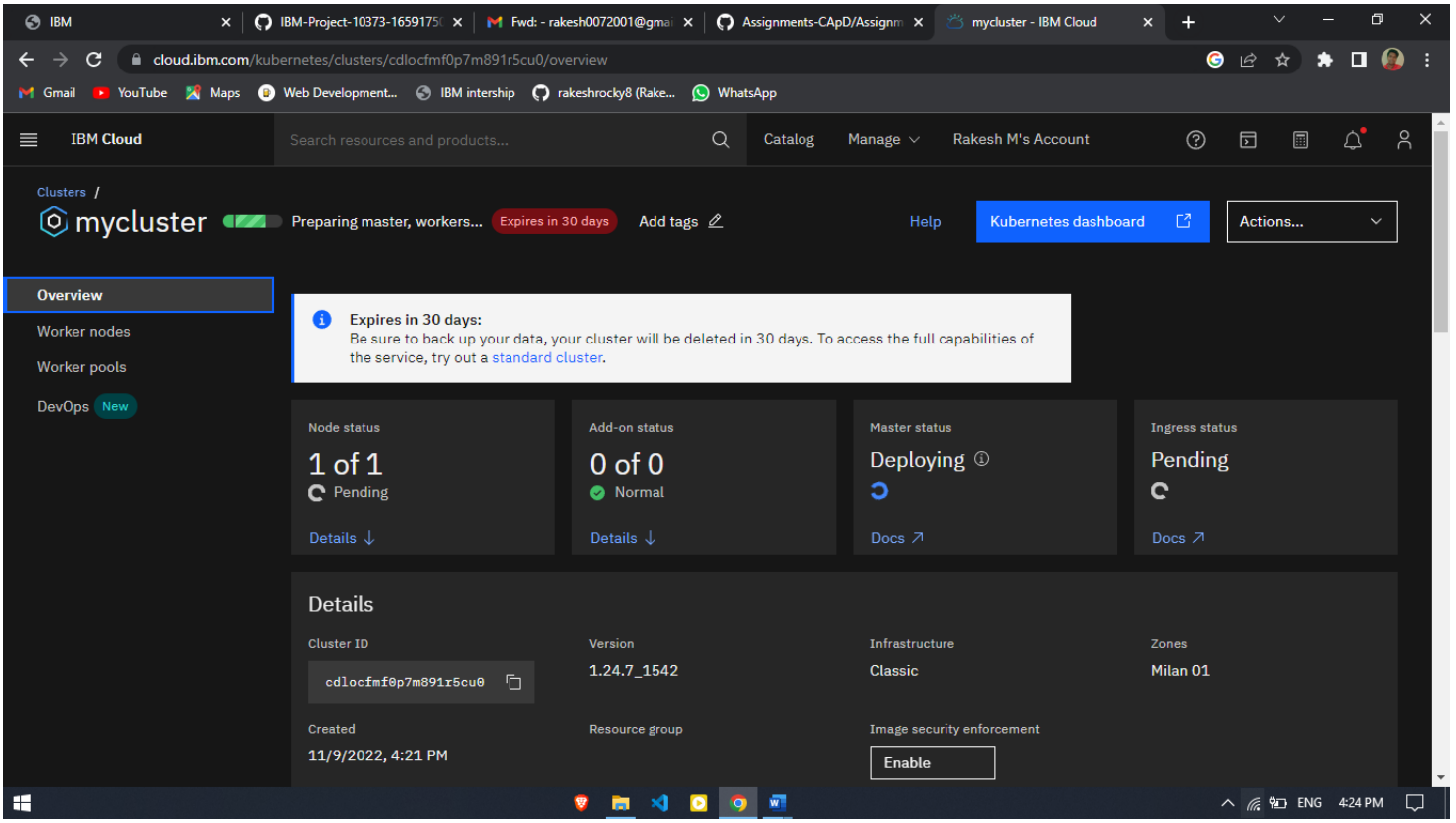


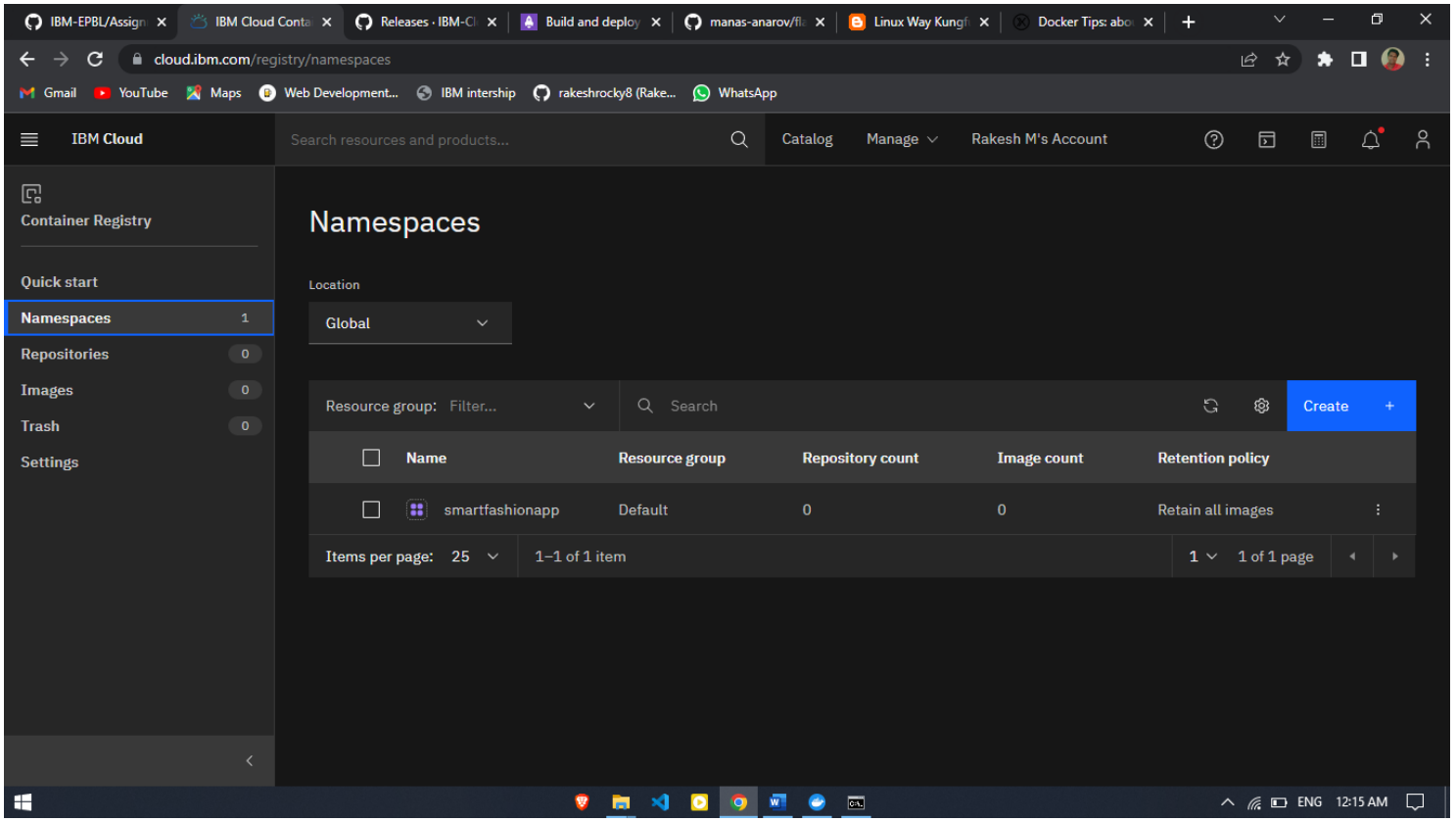

C:\Windows\System32\cmd.exe - docker push icr.io/smartfashionapp/ibm
Space:
C:\Users\Rakesh\Downloads\flask_hello_docker-master\flask_hello_docker-master>ibmcloud cr region-set global
The region is set to 'global', the registry is 'icr.io'.
OK
C:\Users\Rakesh\Downloads\flask_hello_docker-master\flask_hello_docker-master>ibmcloud 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


cloud.ibm.com/registry/namespaces
Gmail
YouTube
Maps
Web Development...
IBM intership
rakeshrocky8 (Rake...
WhatsApp
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
ENG 12:15 AM

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
IBM-Project-10373-1659175
Fwd: - rakesh0072001@gma
Assignments-CApD/Assignm
mycluster - IBM Cloud
cloud.ibm.com/kubernetes/clusters/cdlocfmf0p7m891r5cu0/overview
Gmail
YouTube
Maps
Web Development...
IBM intership
rakeshrocky8 (Rake...
WhatsApp
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
ENG
4:24 PM


IBM-EPBL/Assign
IBM Cloud Conta
Releases · IBM-Cl
Build and deploy
manas-anarov/fla
Linux Way Kungfi
Docker Tips: abo
cloud.ibm.com/registry/namespaces
Gmail
YouTube
Maps
Web Development...
IBM intership
rakeshrocky8 (Rake...
WhatsApp
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
ENG
12:15 AM