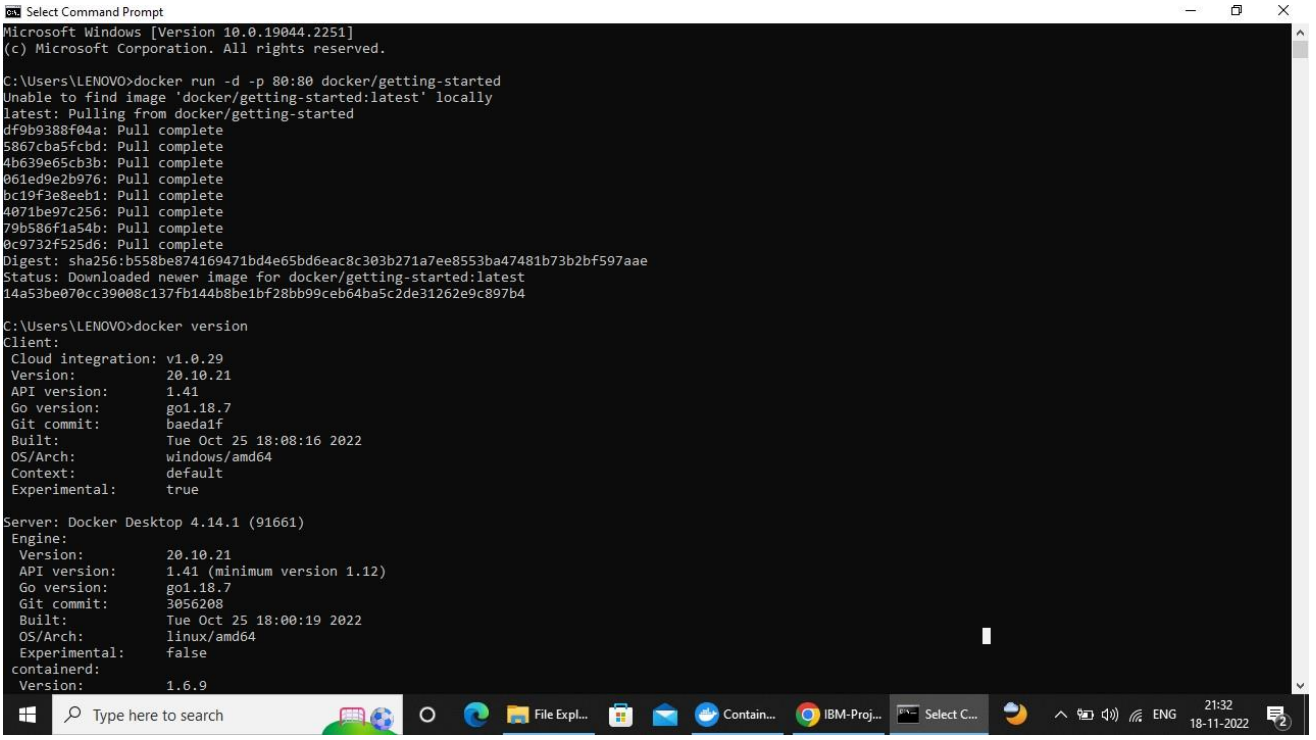
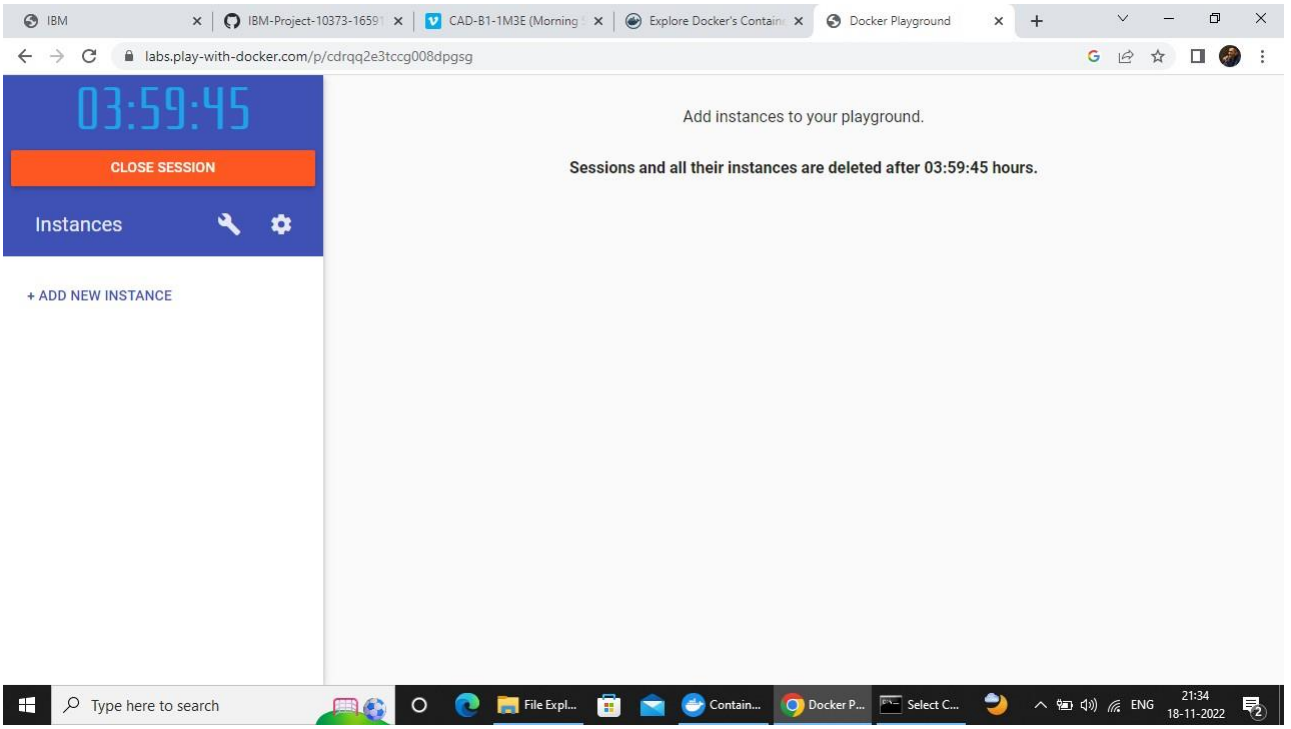
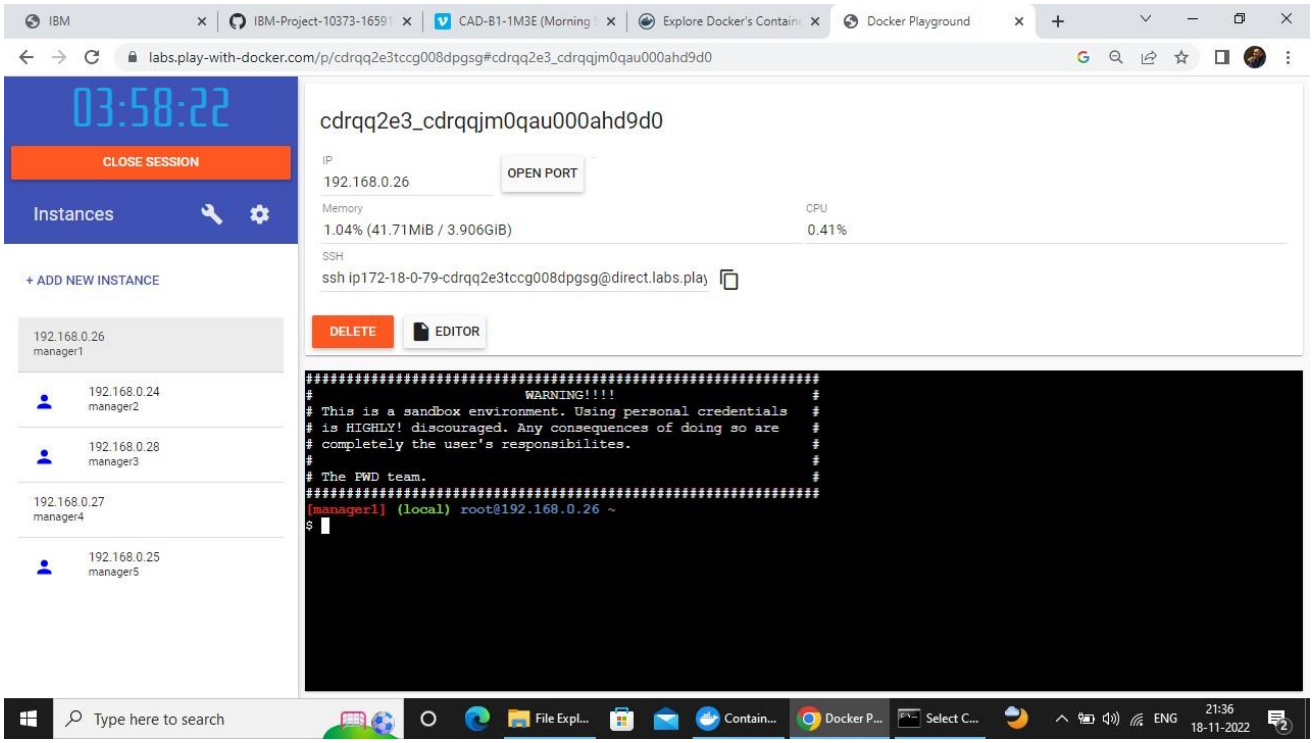
Assignment -4

Assignment Date	**13 NOVEMBER 2022**
Student Name	**BLESSY E**
Student Roll Number	**211219106001**
Maximum Marks	**2 Marks**

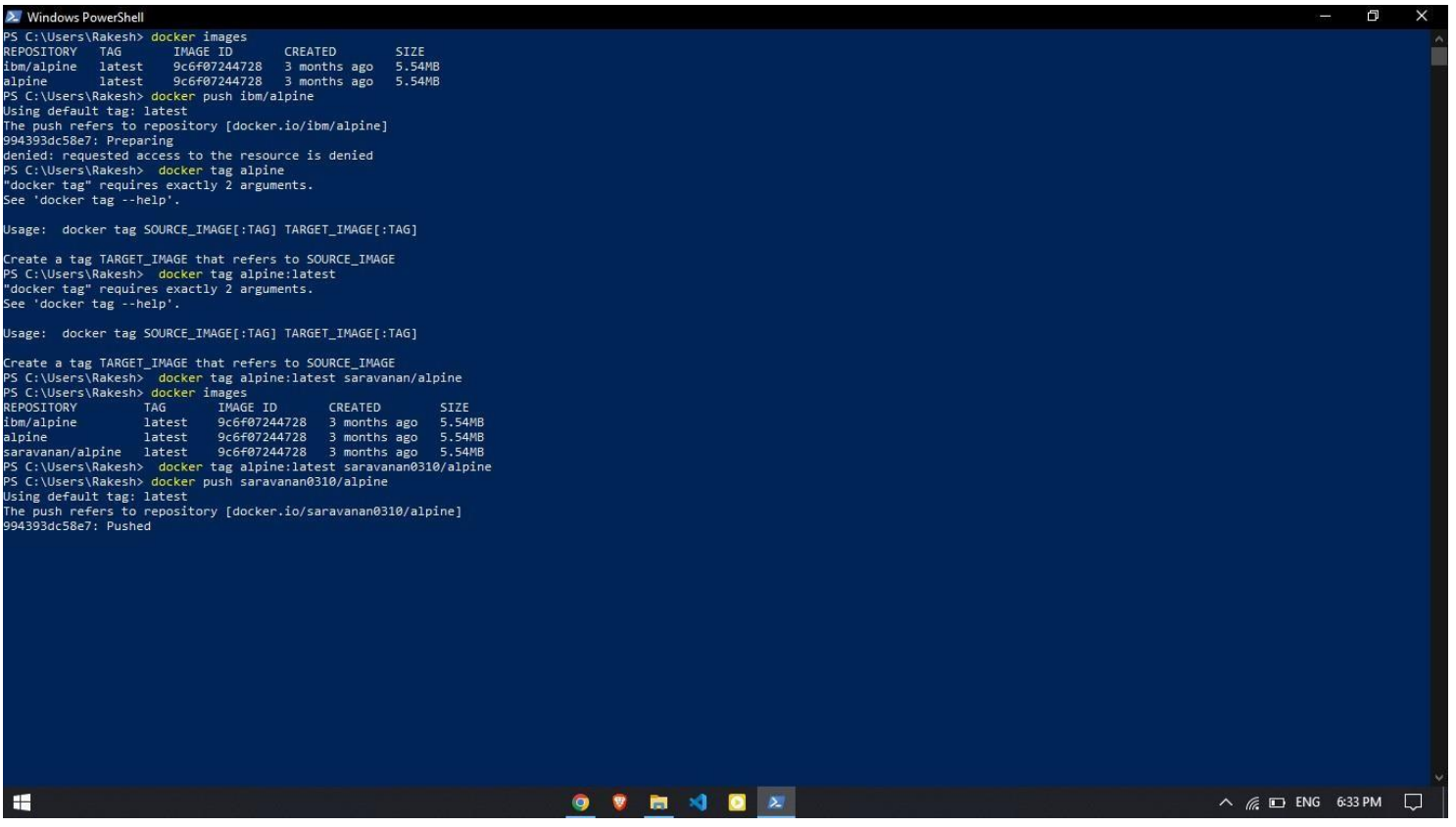
1. Pull an Image from docker hub and run it in docker playground.



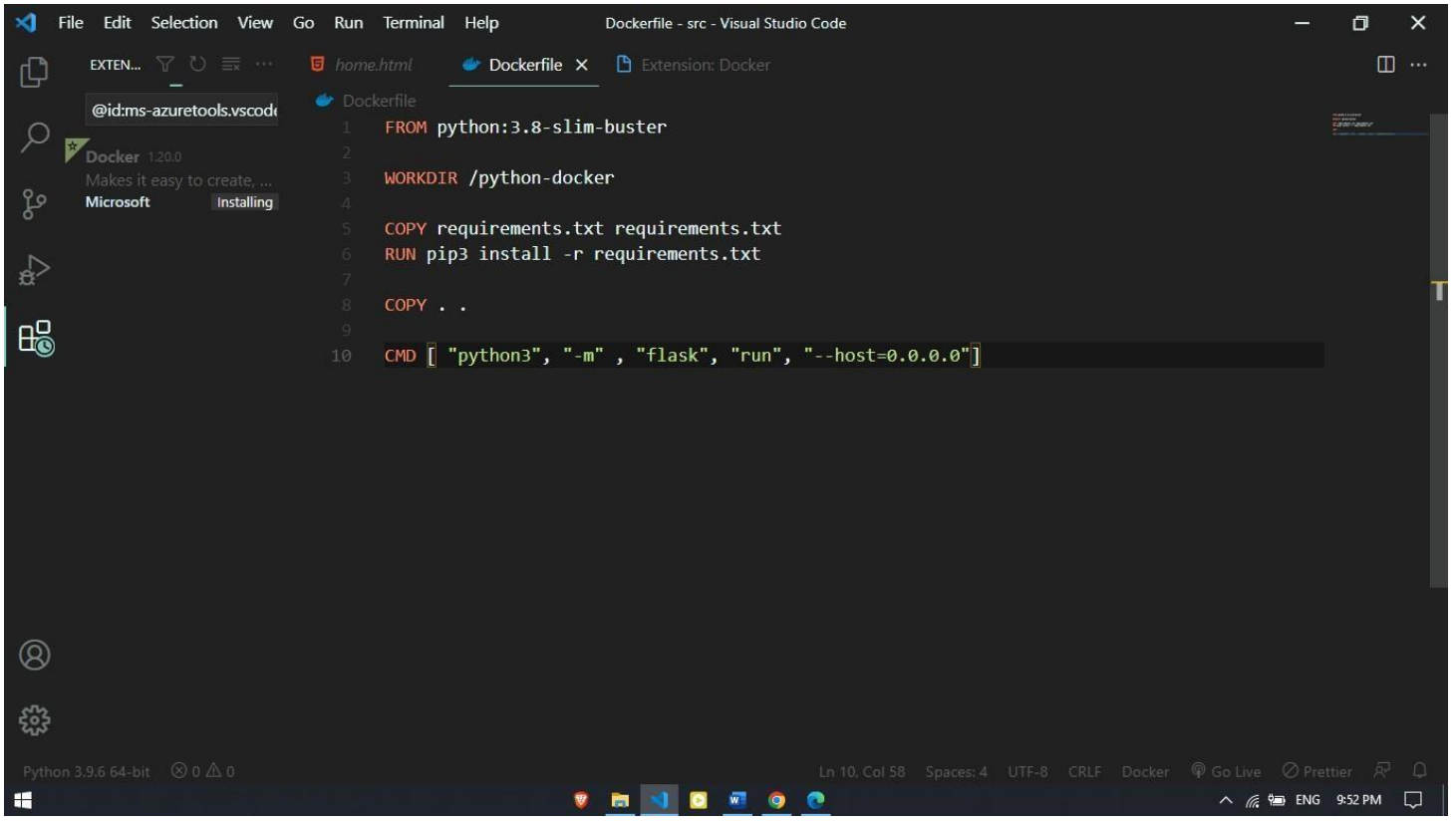




2. Create a docker file for the jobportal application and deploy it in Docker desktop application.



Dockerfile


File Edit Selection View Go Run Terminal Help
Dockerfile - src - Visual Studio Code
EXTEN...
@id:ms-azuretools.vscode
Docker 1.20.0
Makes it easy to create, ...
Microsoft
Installing
home.html
Dockerfile
Extension: Docker
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* n p

Sign up

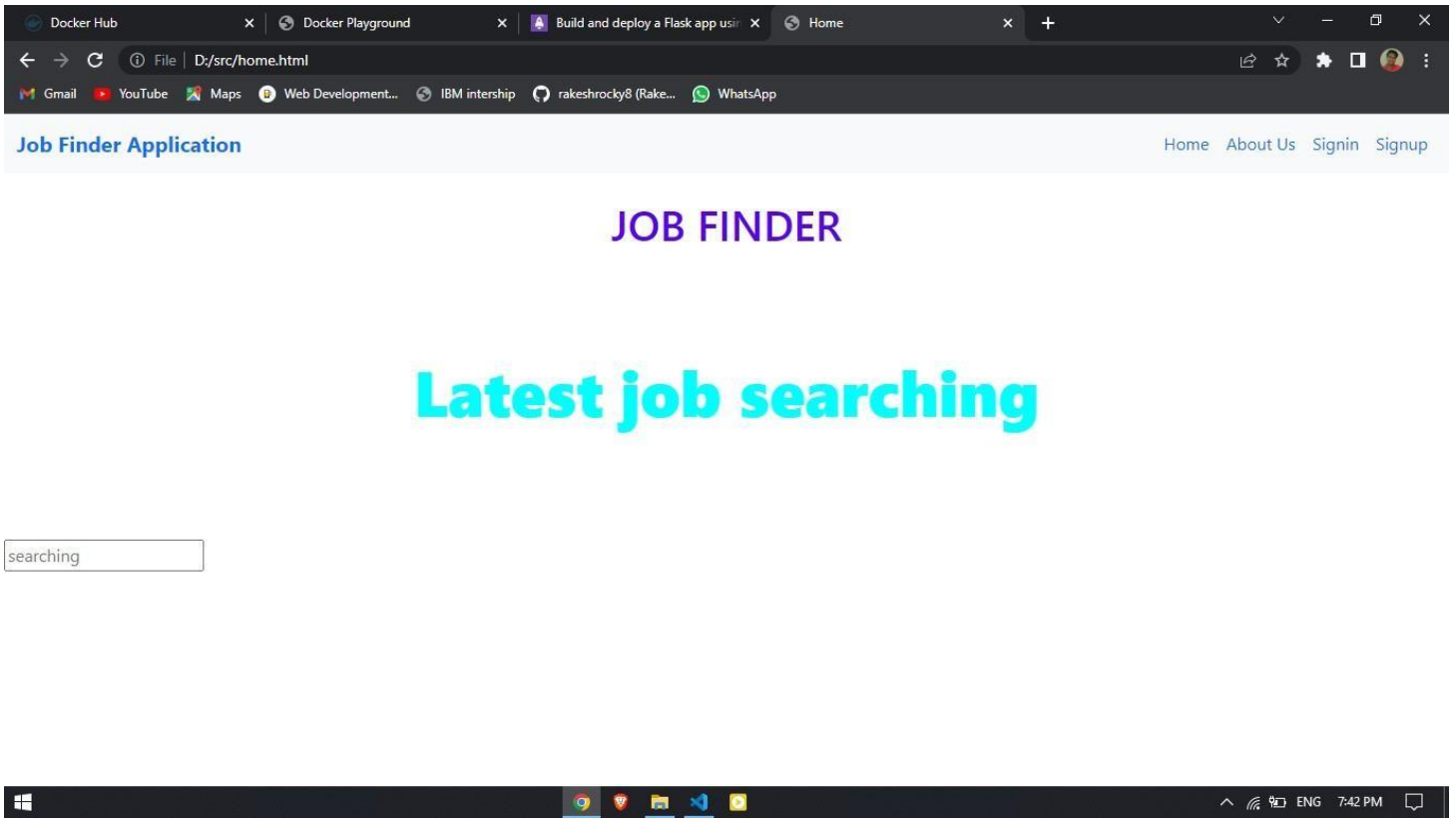
Your Name

Your Email

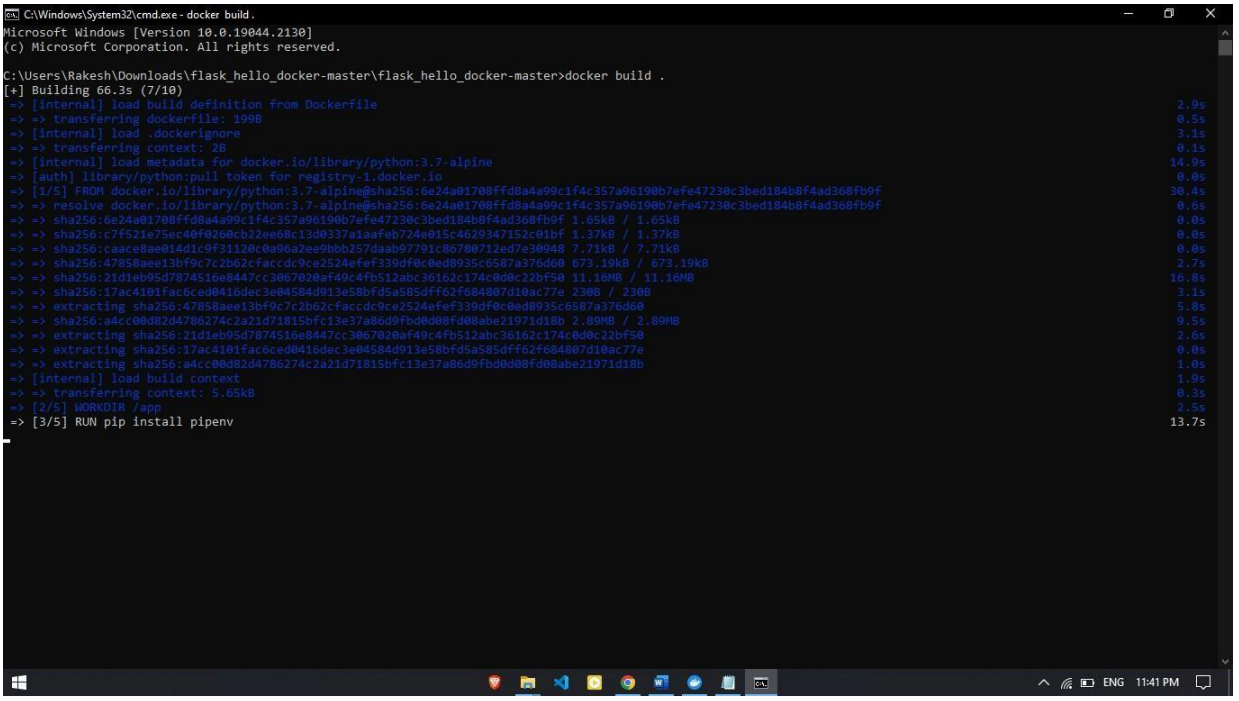
Password

Repeat your password

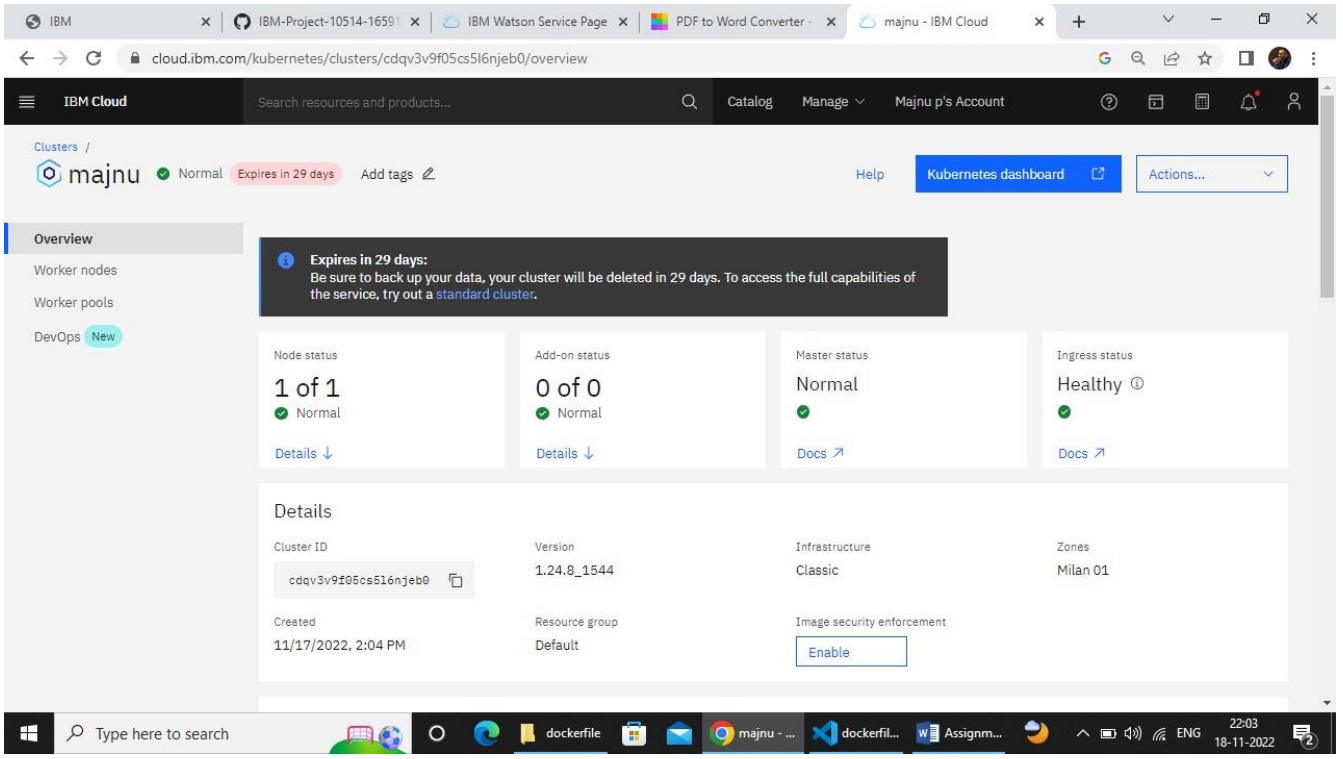
I agree all statements in Terms nf service

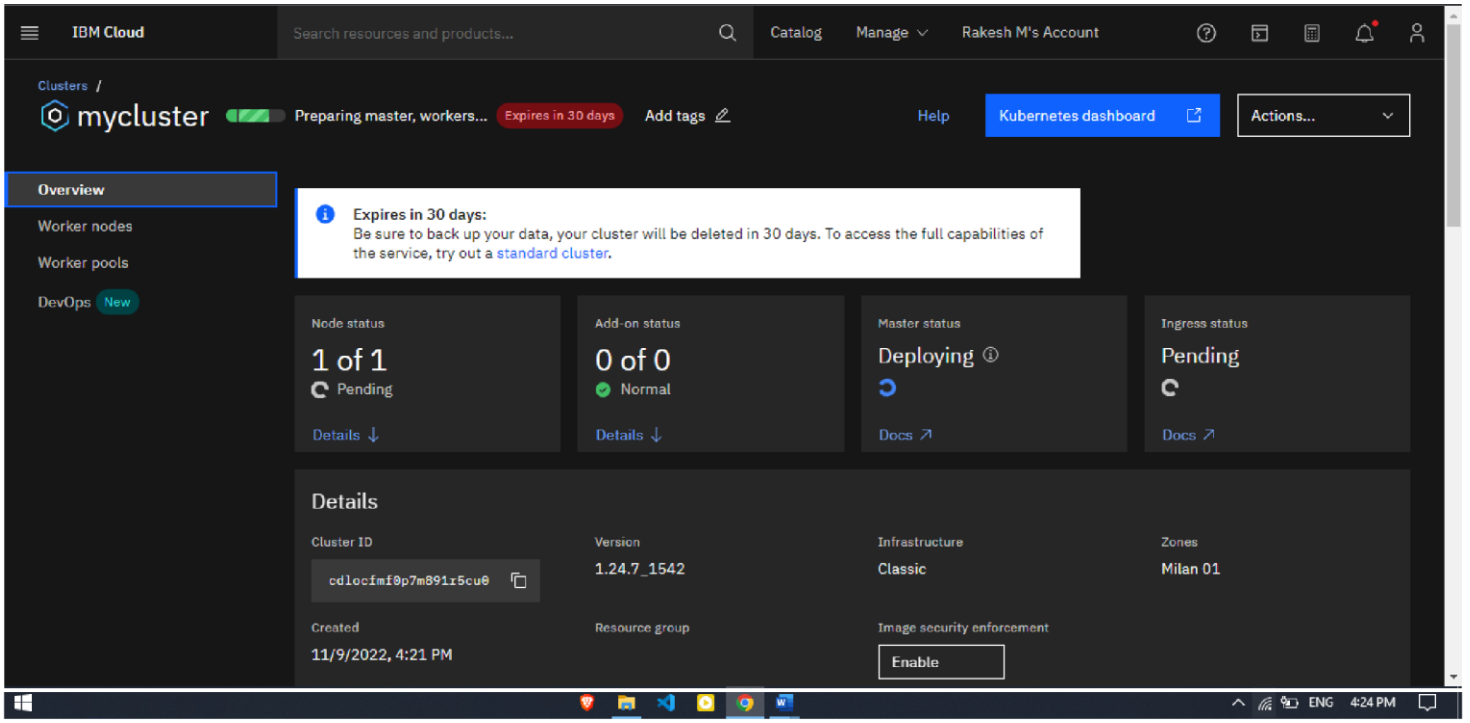


3. Create a IBM container registry and deploy helloworld app or jobportalapp.



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
ENG
4:24 PM