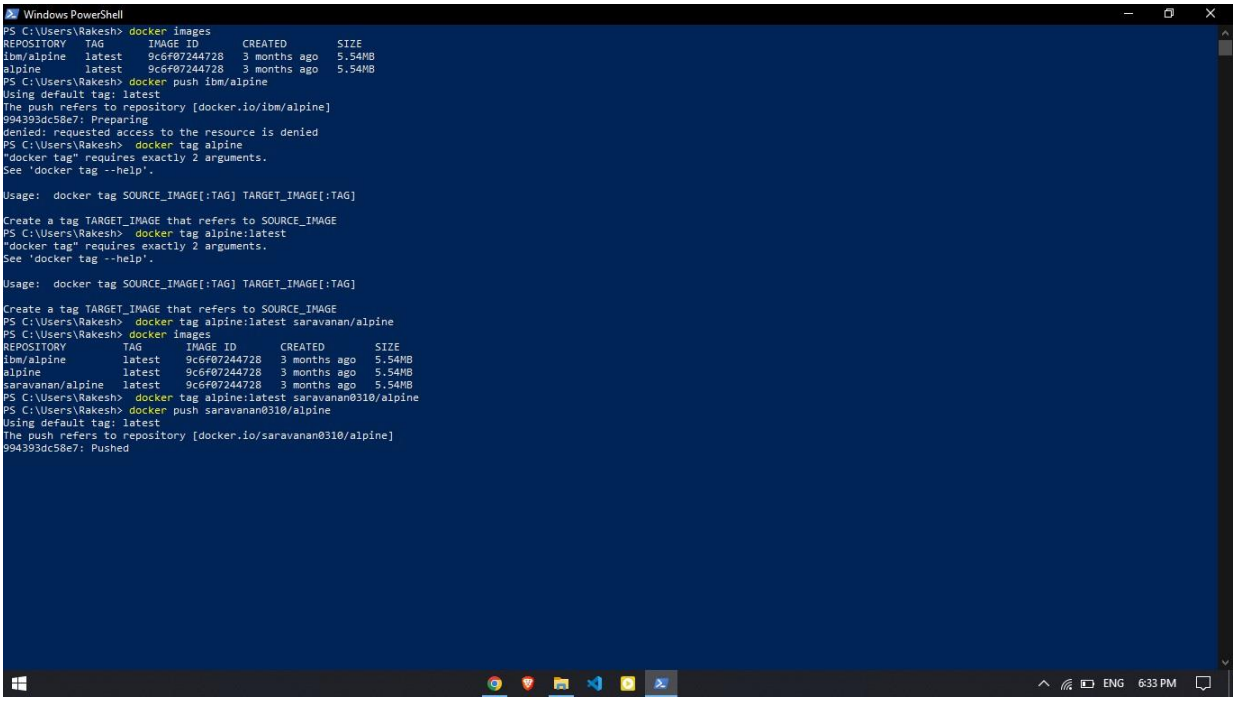
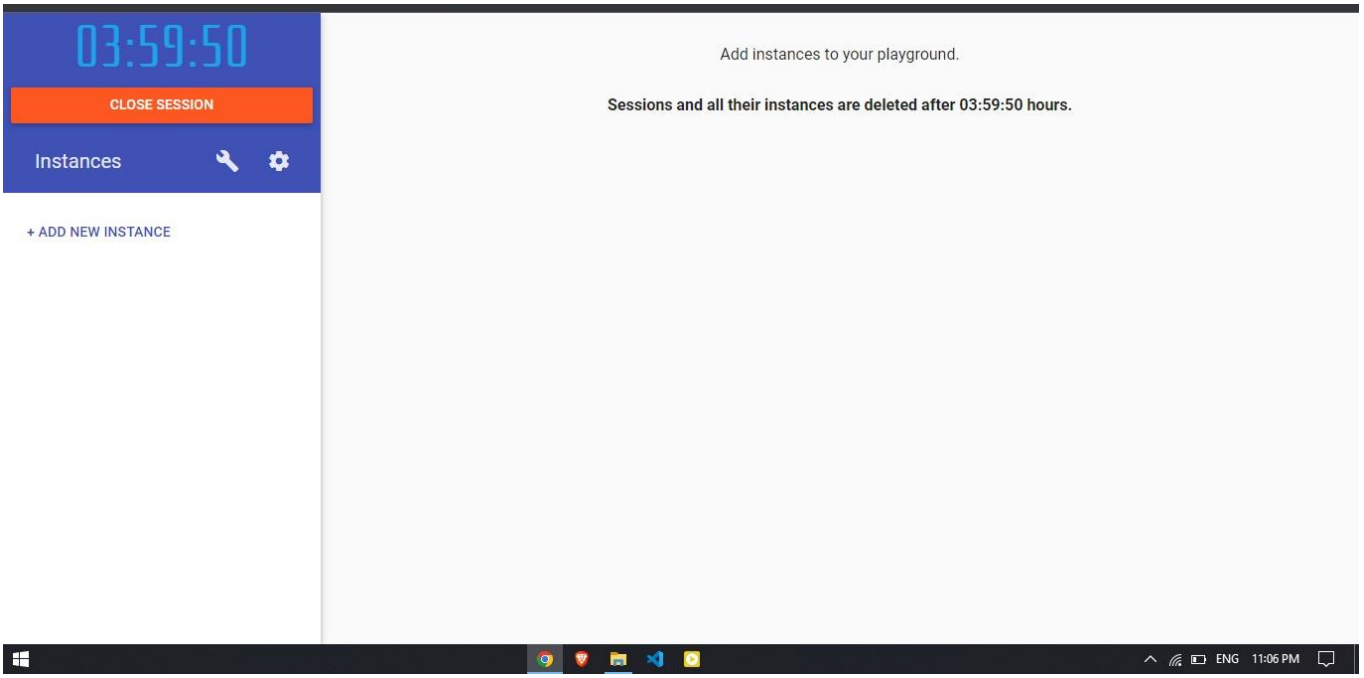
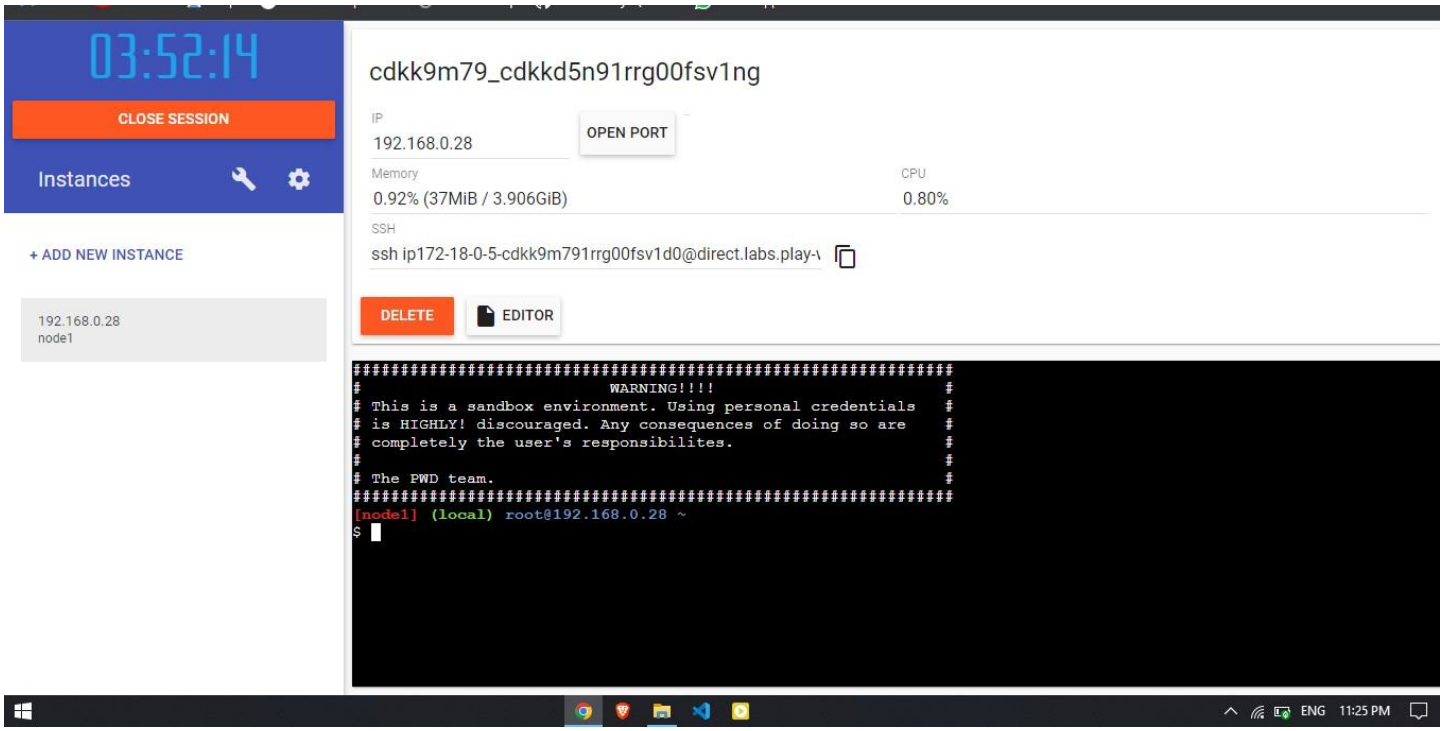
Assignment-4

Date	**19 September2022**
StudentName	**Atchaya V**
MaximumMarks	**2 Marks**

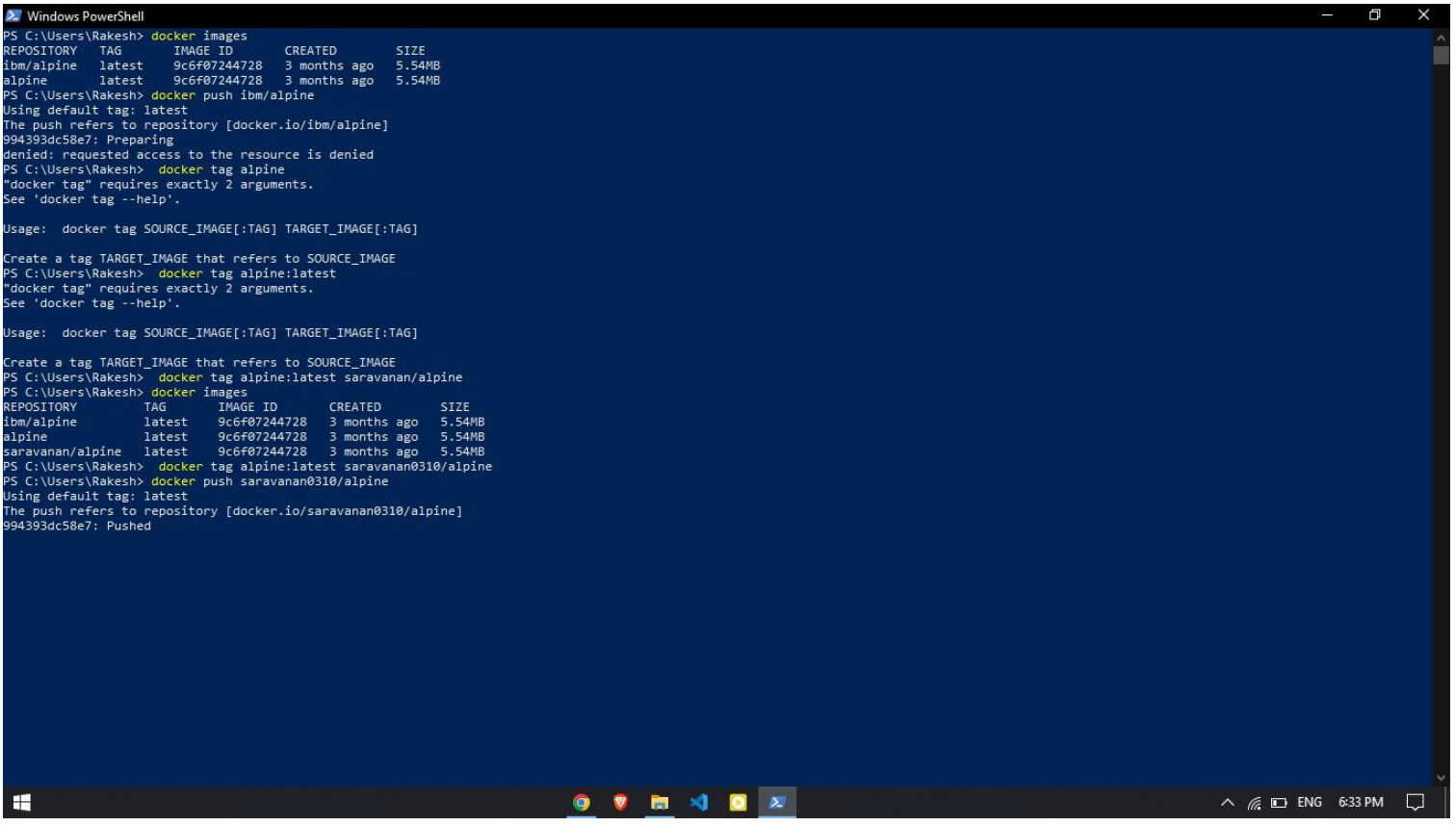
1. Pullan Image from dockerhub and run it in docker playground.



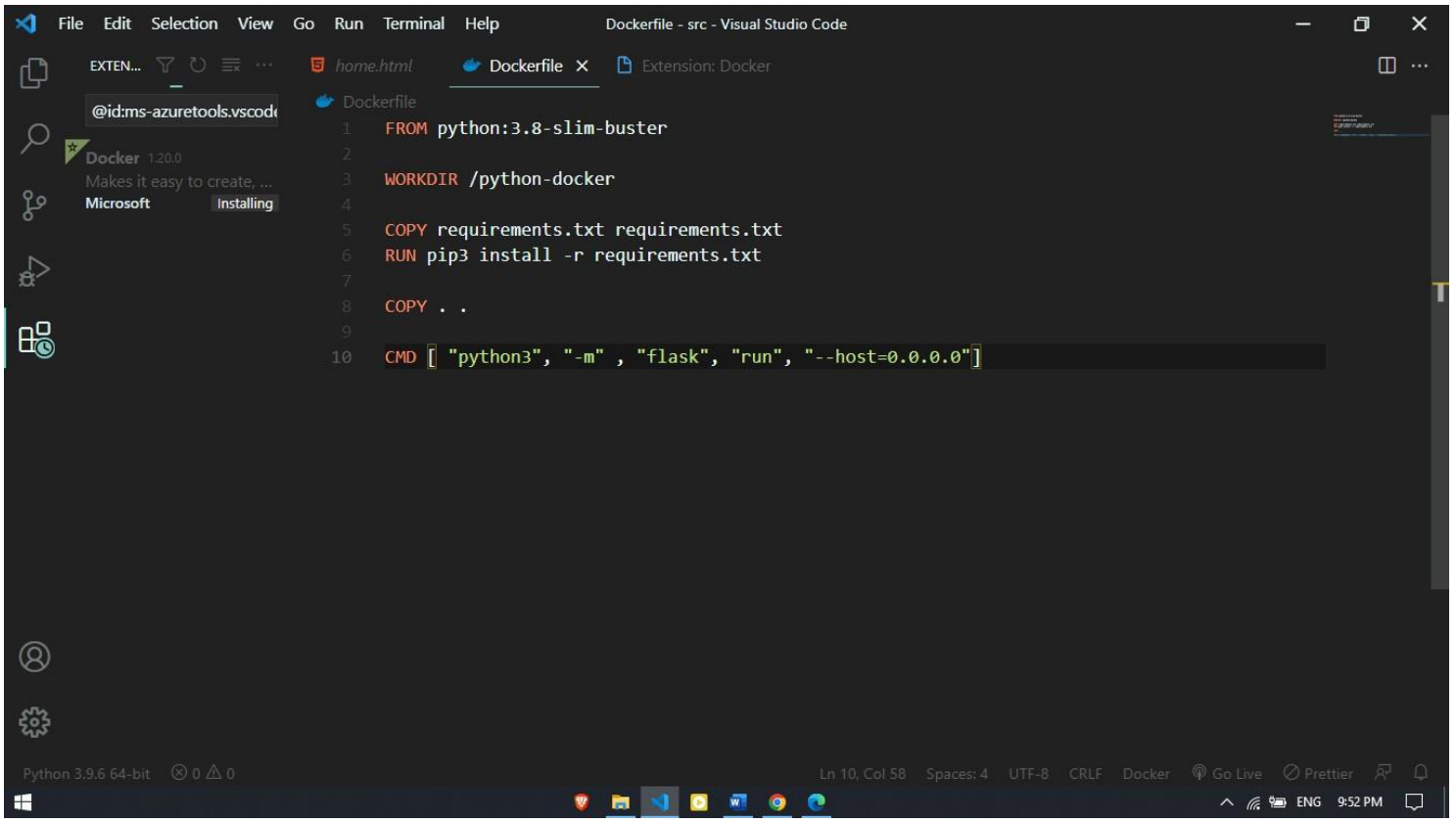


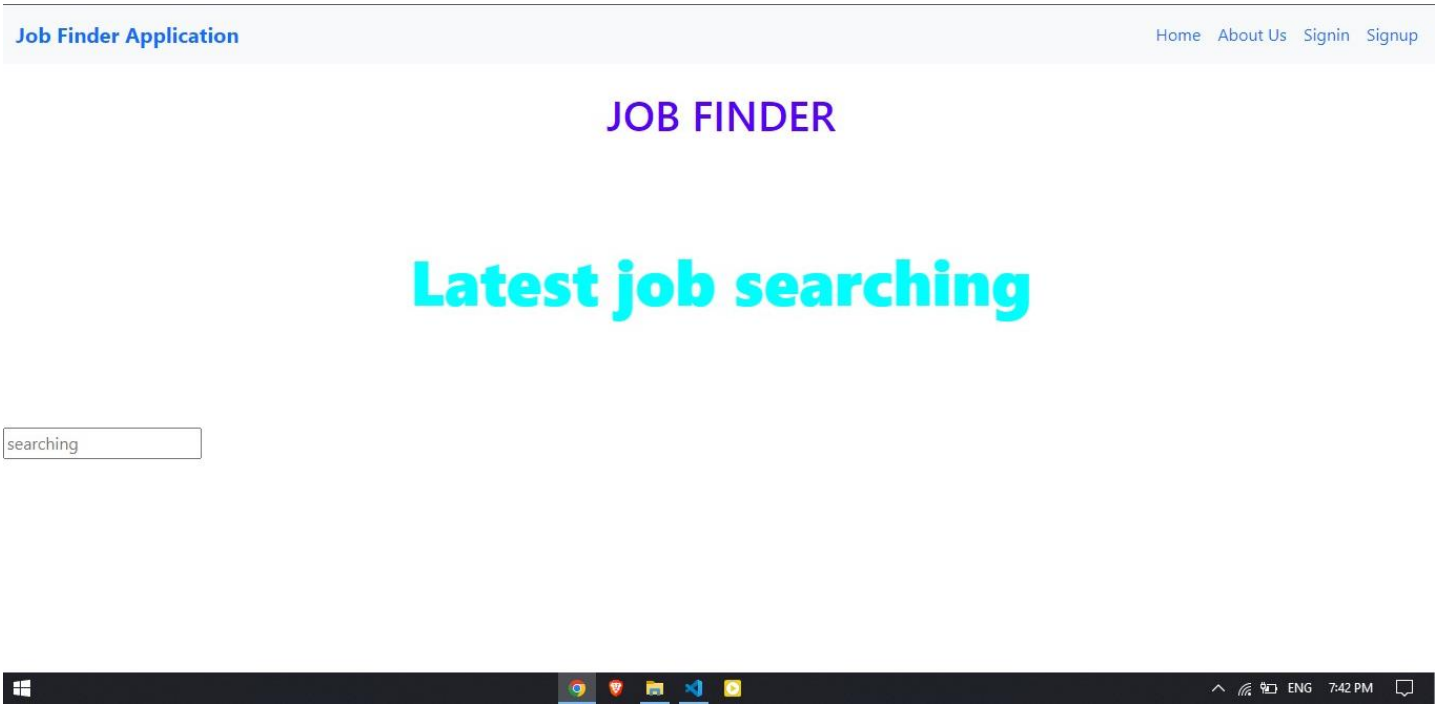


2.Create a docker file for the jobportal application and deploy it inDockerdesktop application.

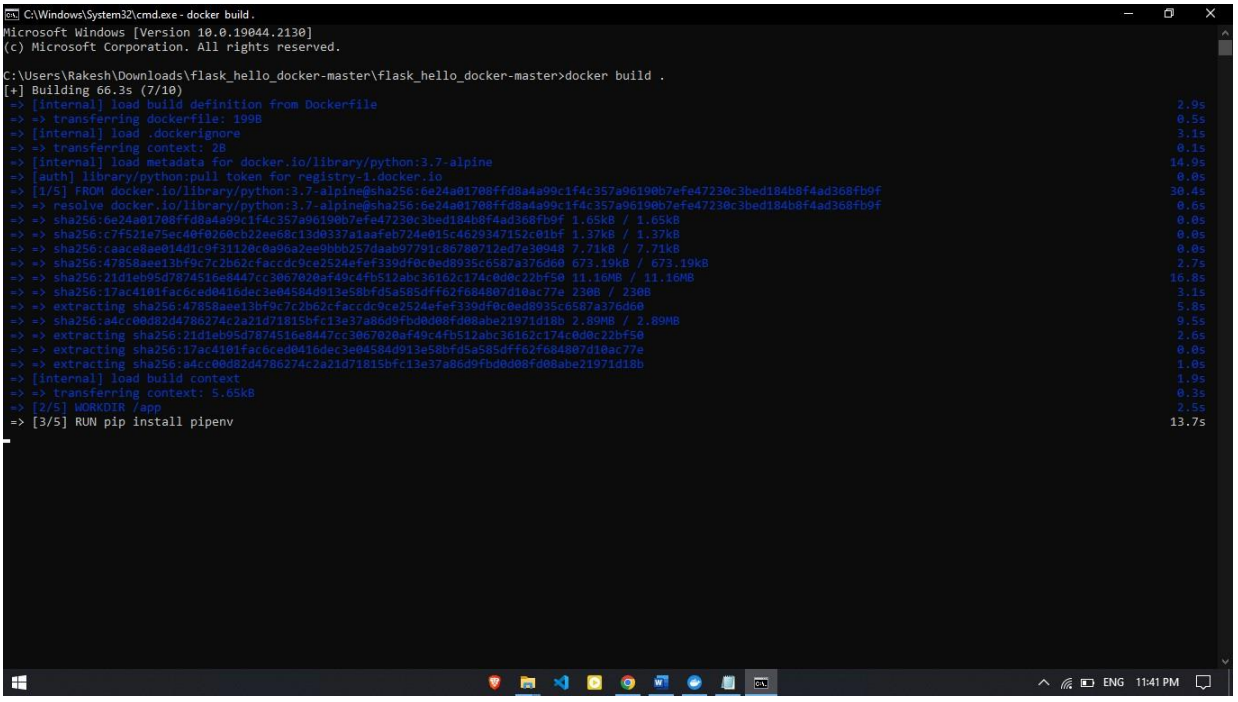


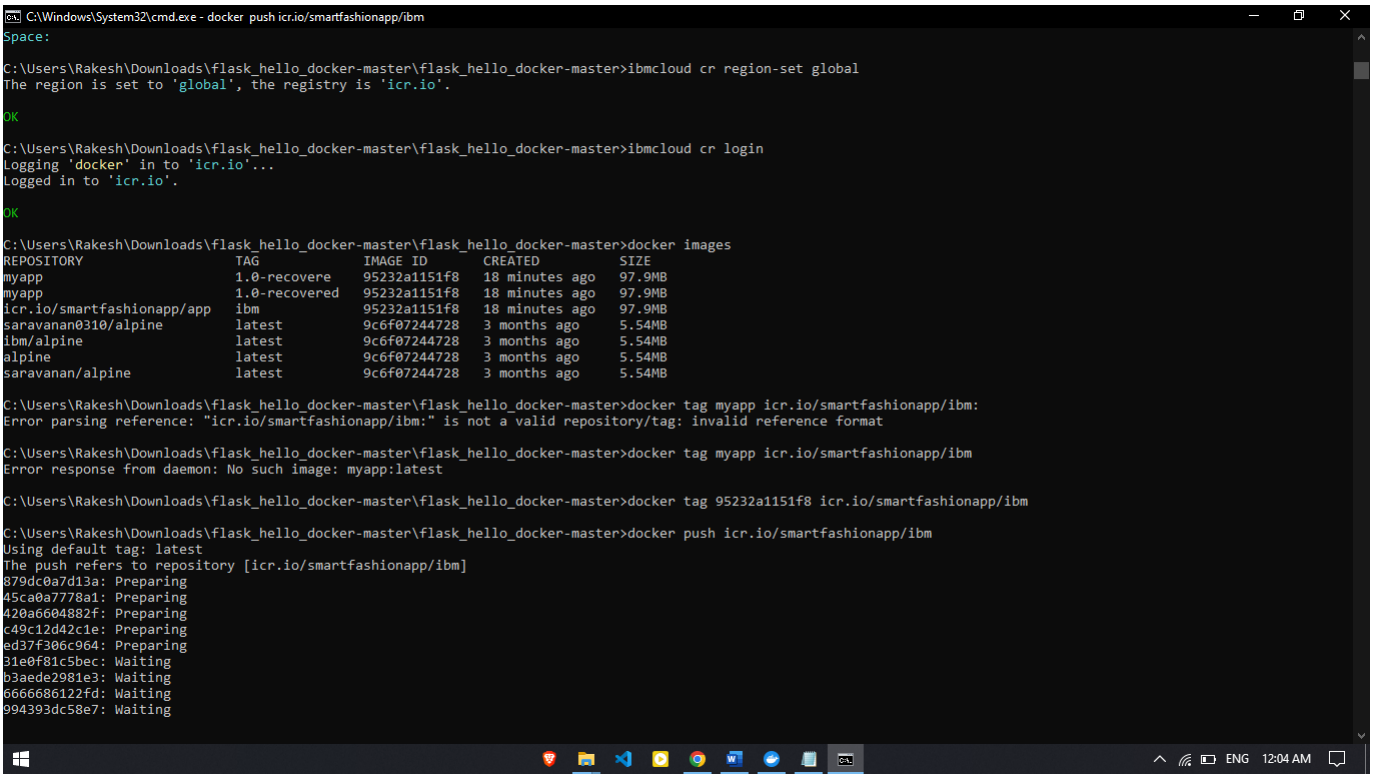
Dockerfile

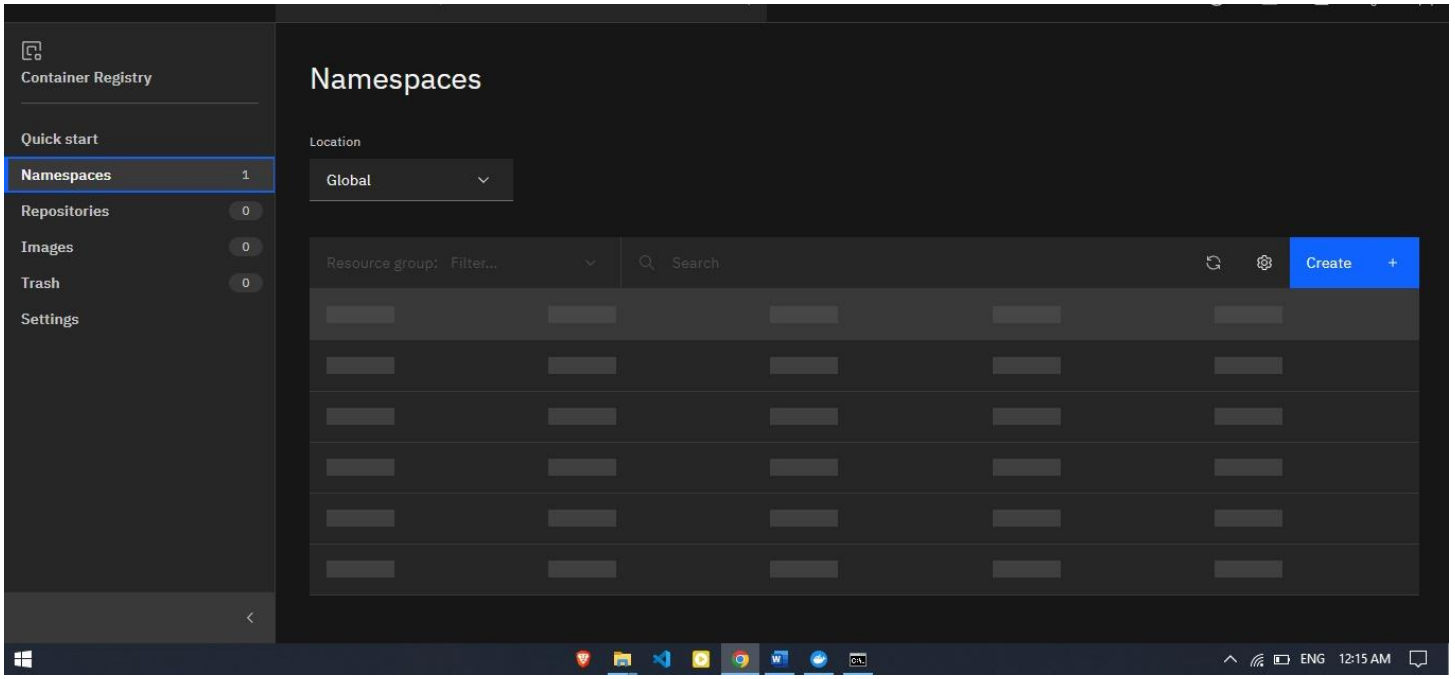

File Edit Selection View Go Run Terminal Help
Dockerfile - src - Visual Studio Code
EXTEN...
home.html
Dockerfile
Extension: Docker
@id:ms-azuretools.vscod
Docker 1.20.0
Makes it easy to create, ...
Microsoft
Installing
Dockerfile
1 FROM python:3.8-slim-buster
2
3 WORKDIR /python-docker
4
5 COPY requirements.txt 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


Job Finder Application
Home
About Us
Signin
Signup
JOB FINDER
Latest job searching
searching
ENG
7:42 PM

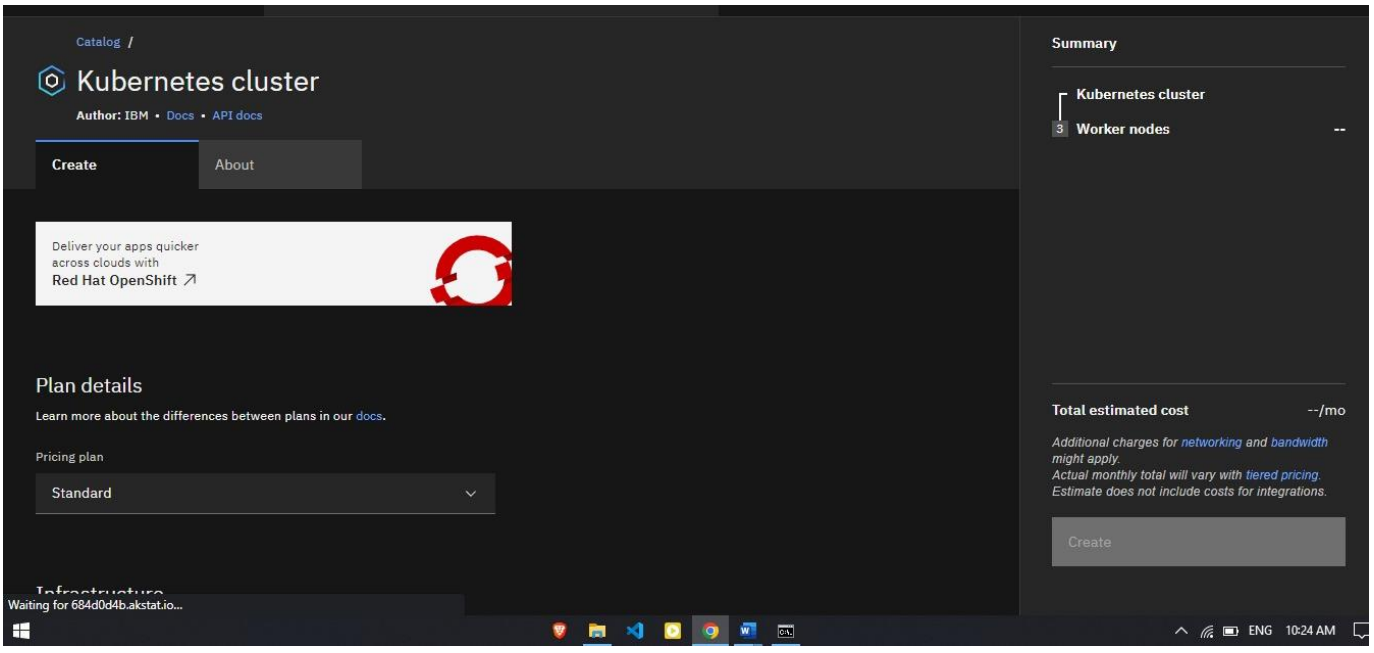
3.Create a IBM container registry and deploy helloworld app or jobportalapp.

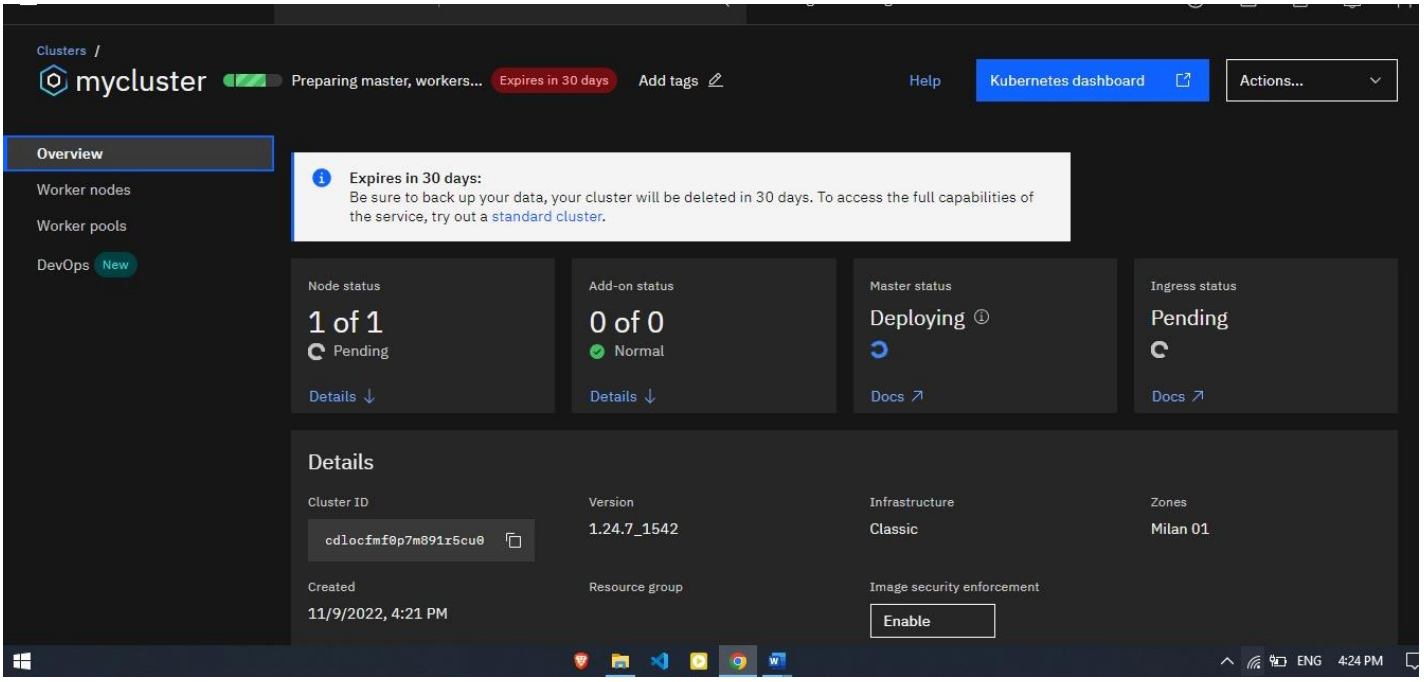


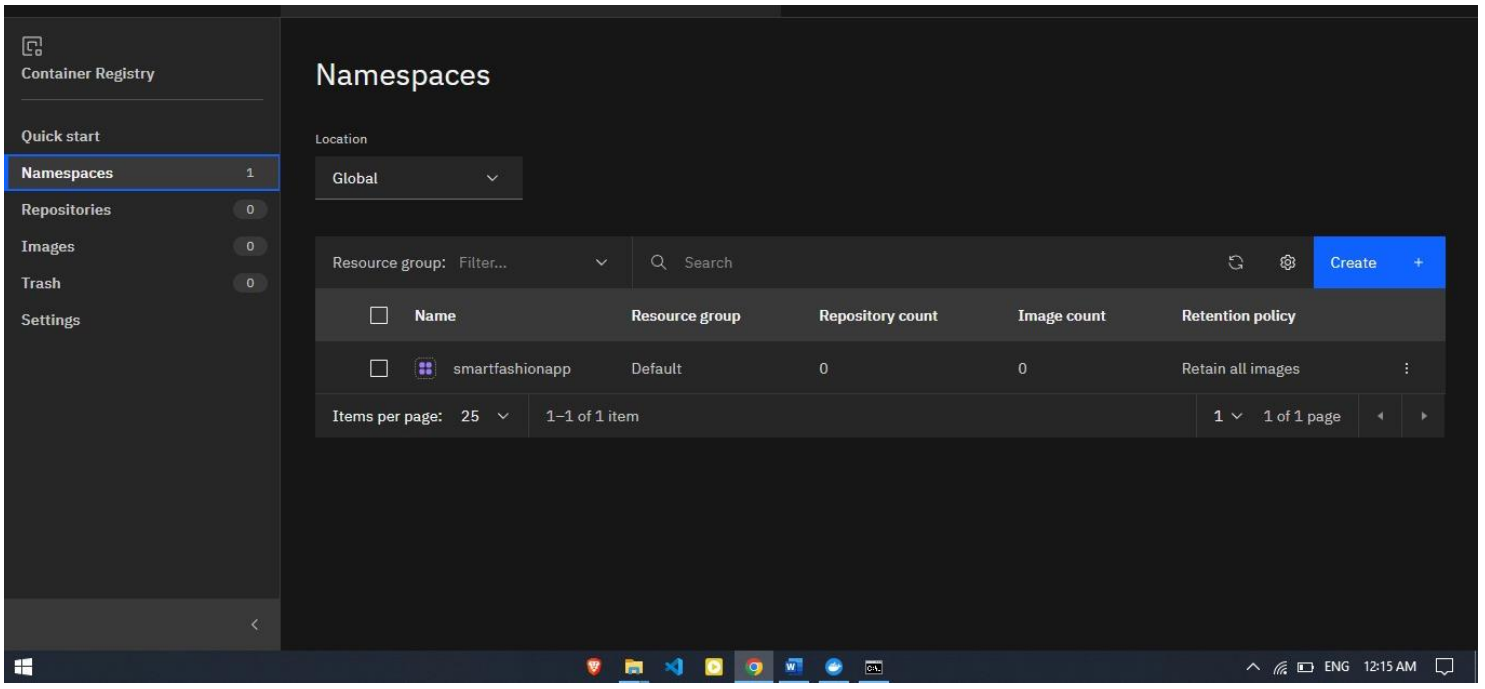




4. **Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image andalso expose thesame appto runinnodeport.**




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


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