

### Assignment -4

#### News Tracker Application – Kubernetes / Docker

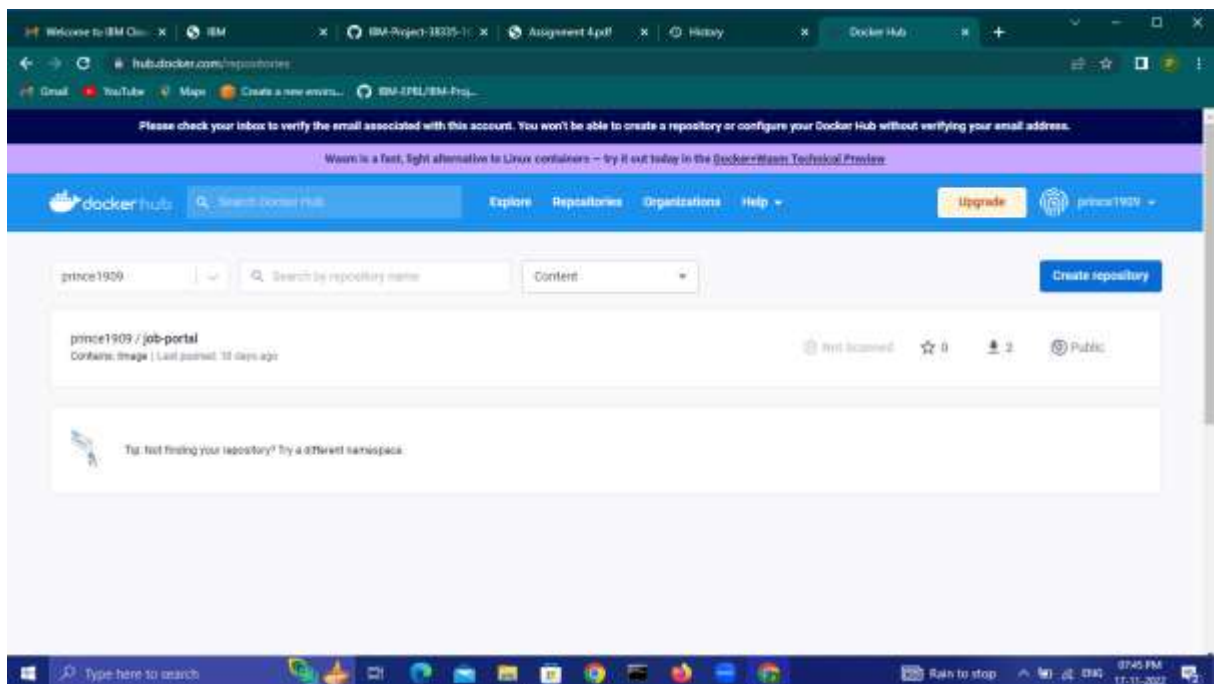
Assignment Date	20 October 2022
Student Name	PRINCE VASANTHARAJ R
Student Roll Number	953719104043
Maximum Marks	2 Marks

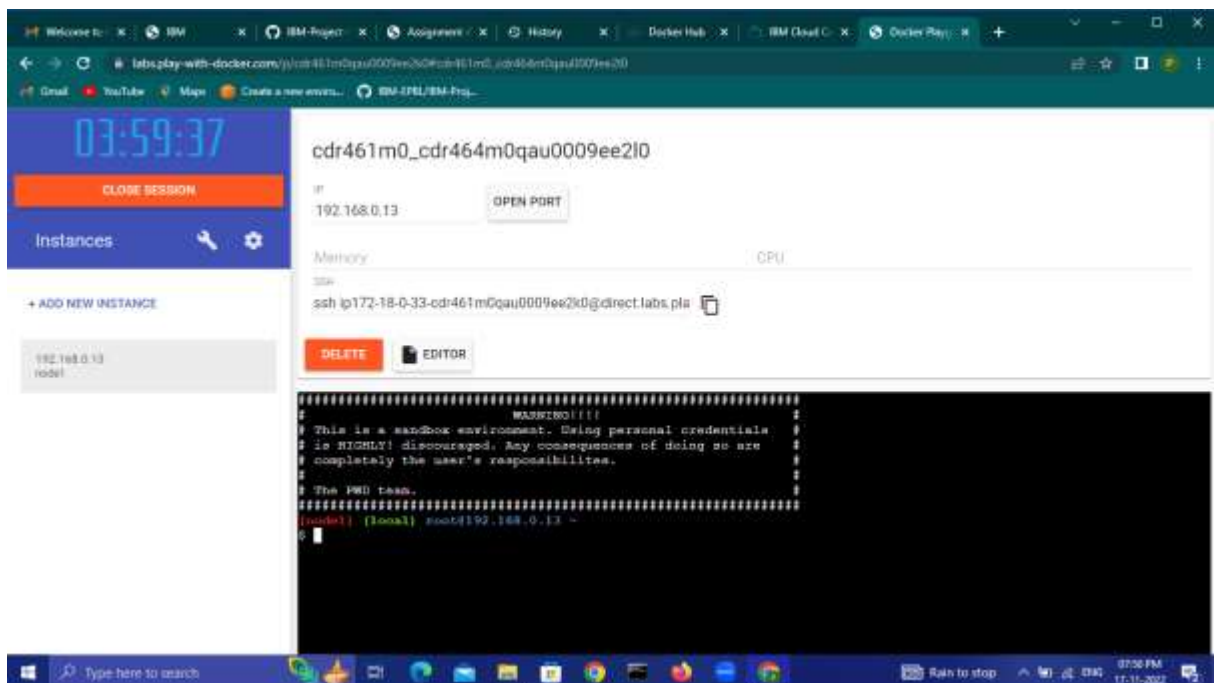
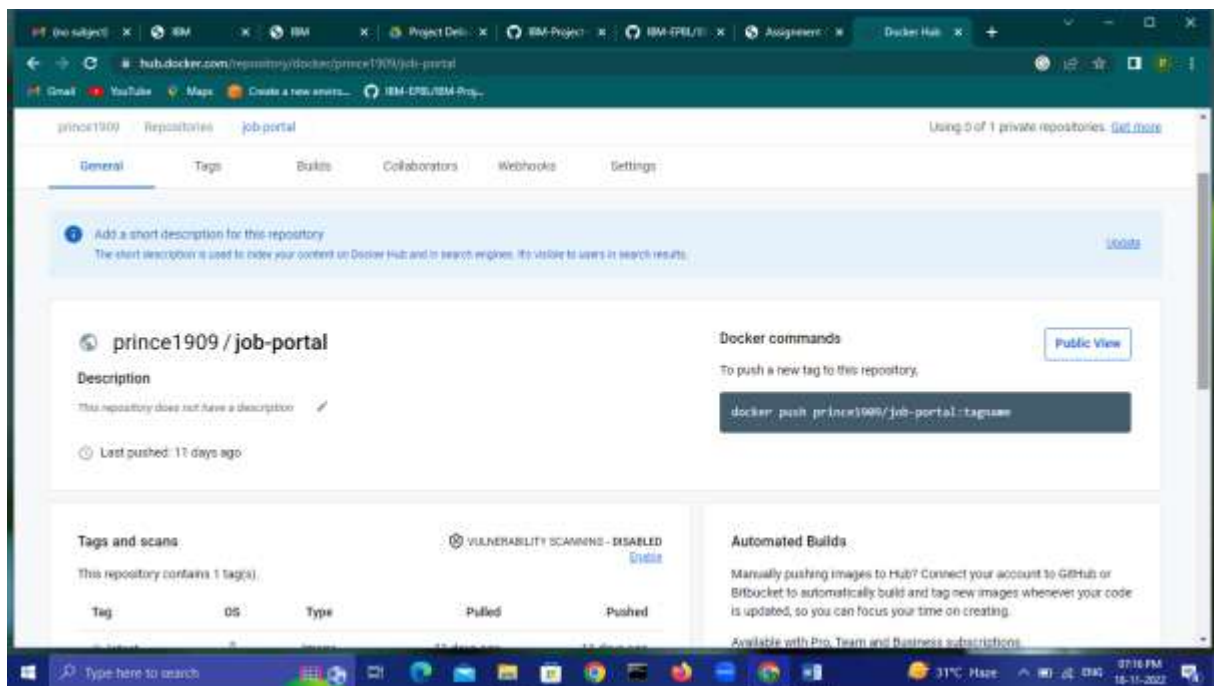
#### Question-1:

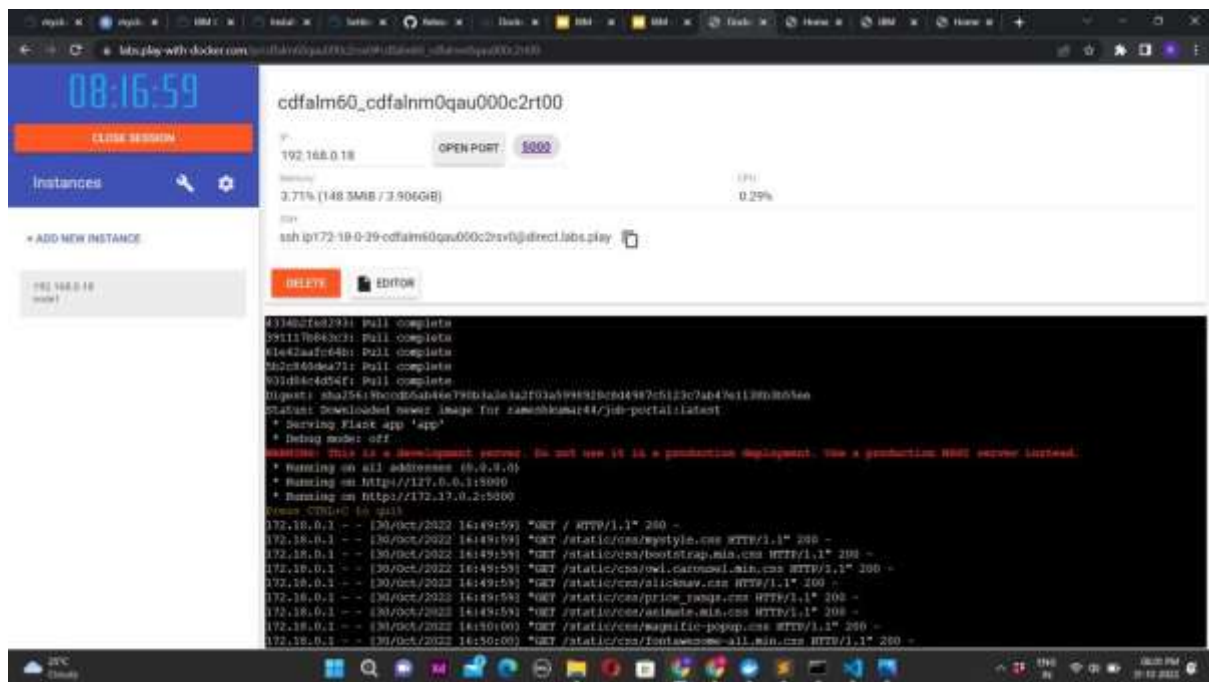
1. Pull an Image from docker hub and run it in docker playground.
2. Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.
3. Create a IBM container registry and push docker image of flask application or job portal app.
4. Create a Kubernetes cluster in IBM cloud and deploy flask application image or job portal image and also expose the same app to run in Nodeport.

**Solution: \*\*All the required files are uploaded in the Assignments/Prince Vasantharaj R (Team Lead)/Assignment 4 folder in the Git repo. Please verify it sir/mam.**

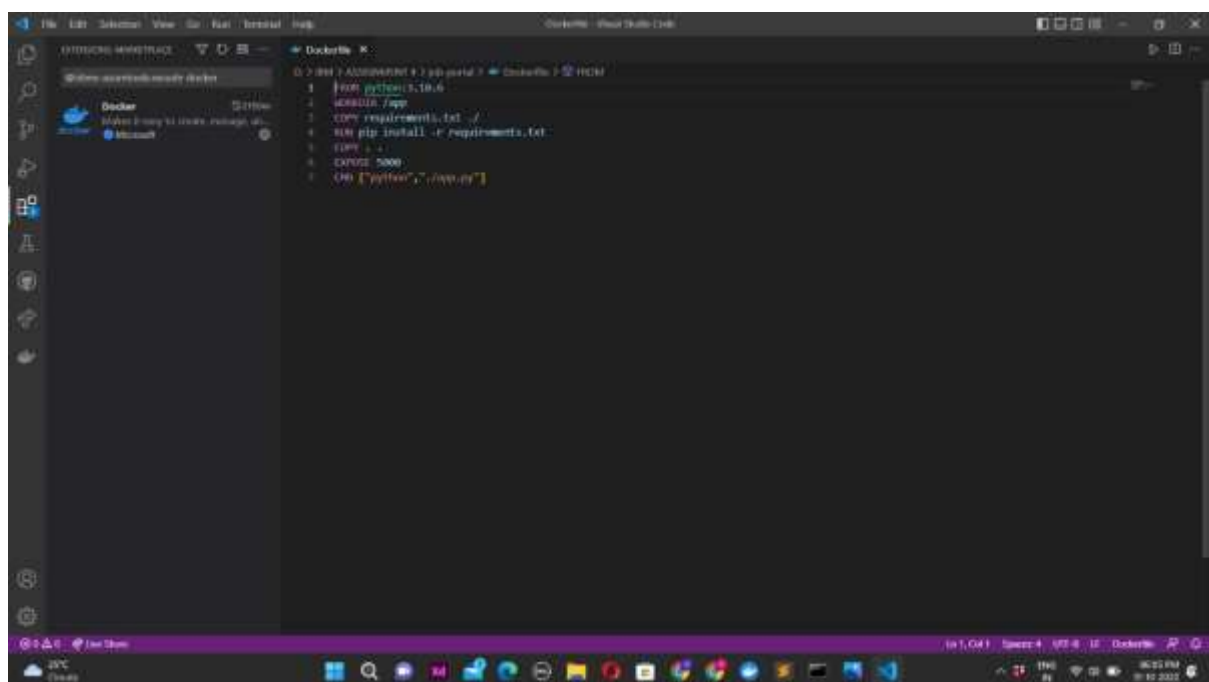
**Step 1:** Pull an Image from docker hub and run it in docker playground.

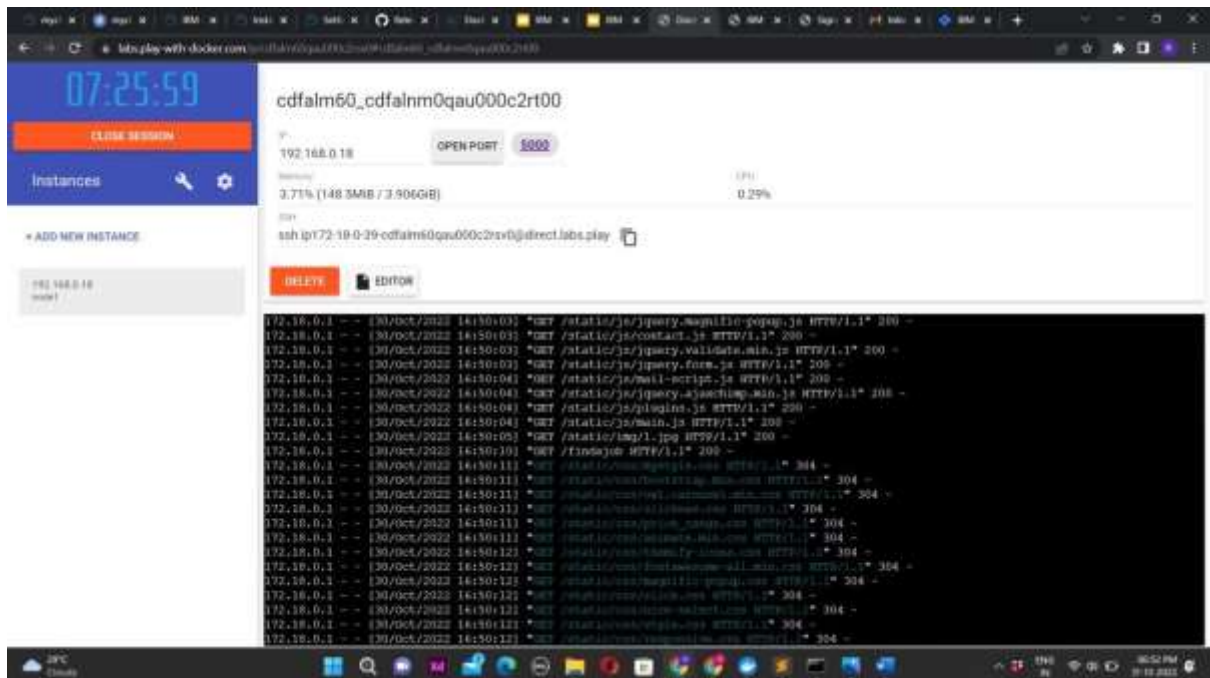
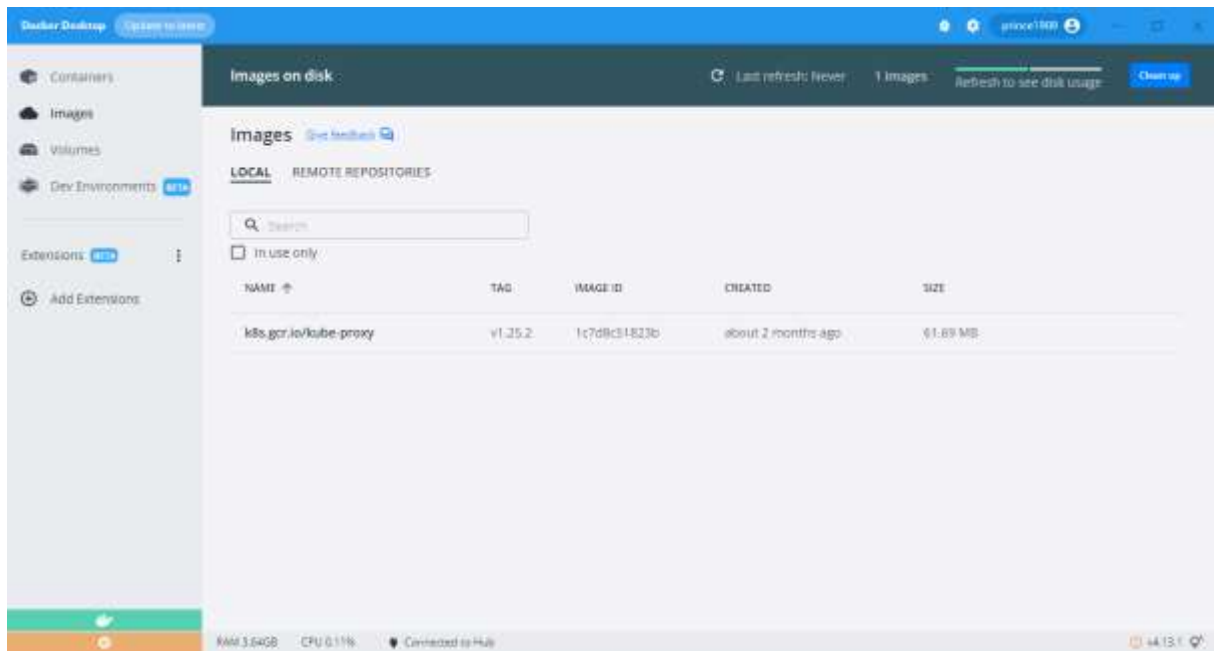




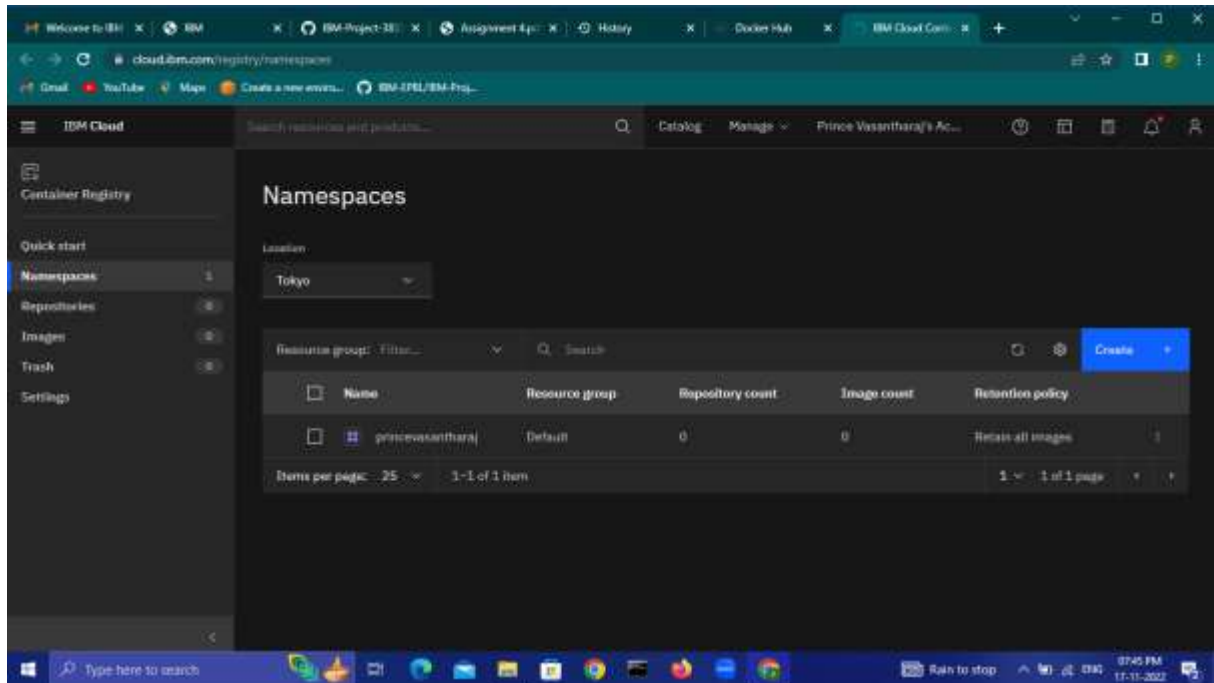


**Step 2:** Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.

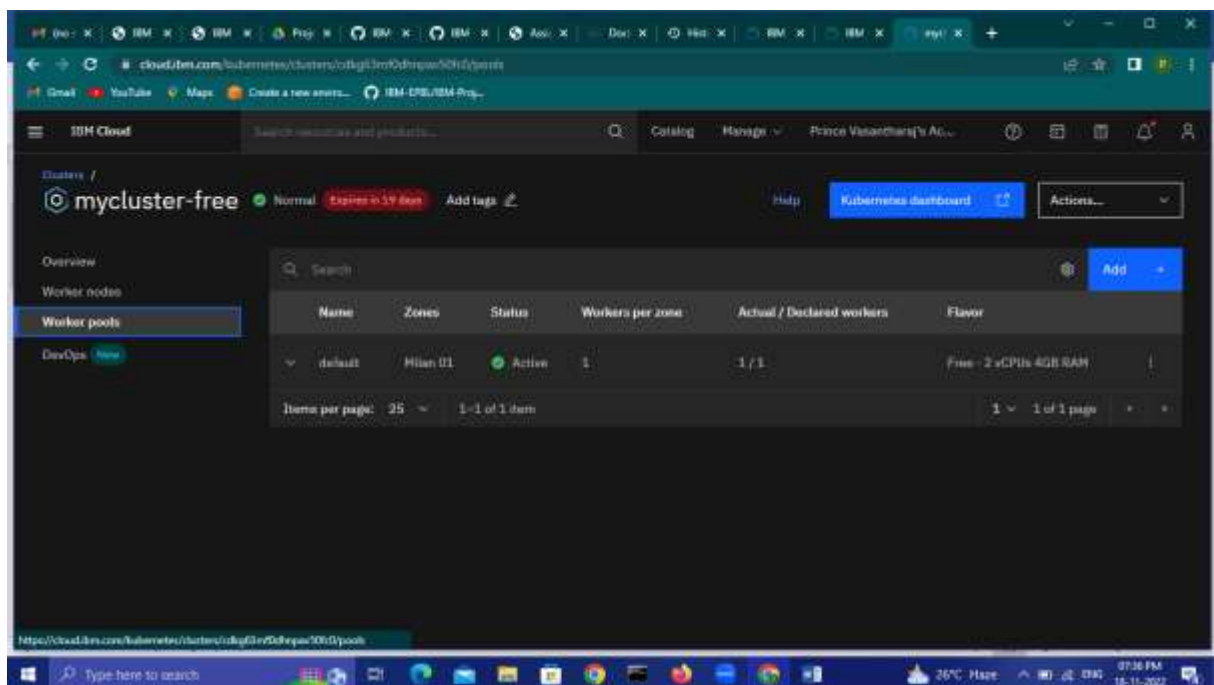
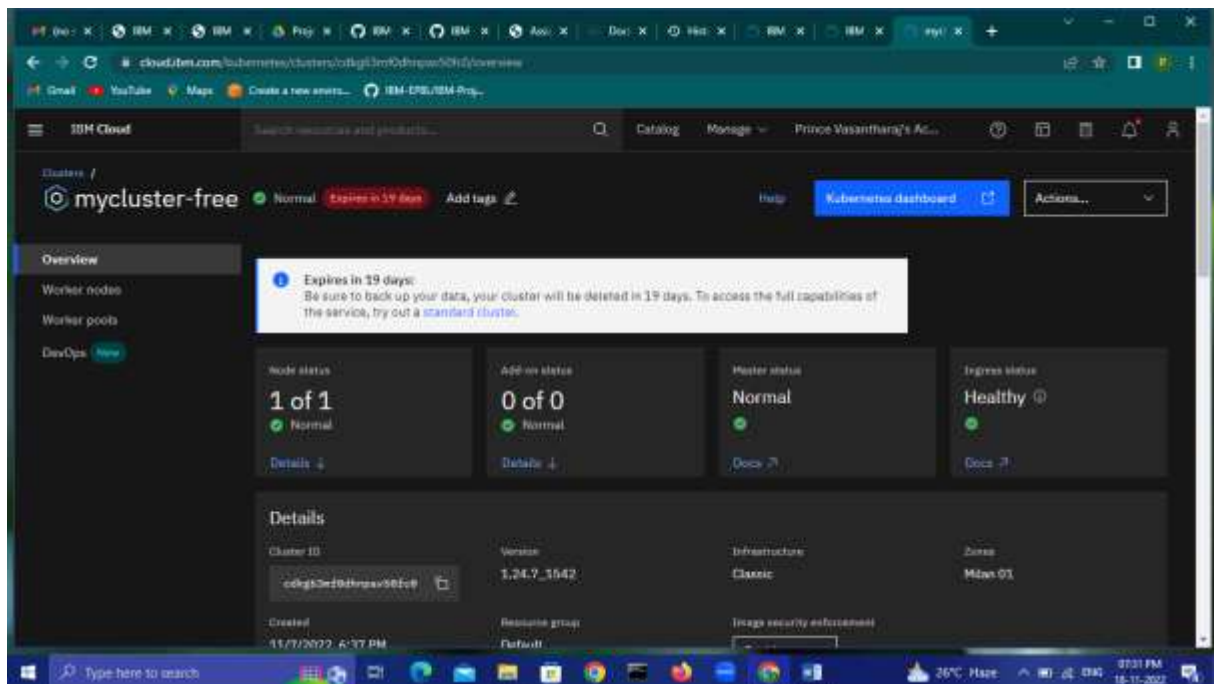




**Step 3:** Create a IBM container registry and push docker image of flask application or job portal app.



**Step 4:** Create a Kubernetes cluster in IBM cloud and deploy flask application image or job portal image and also expose the same app to run in Nodeport.





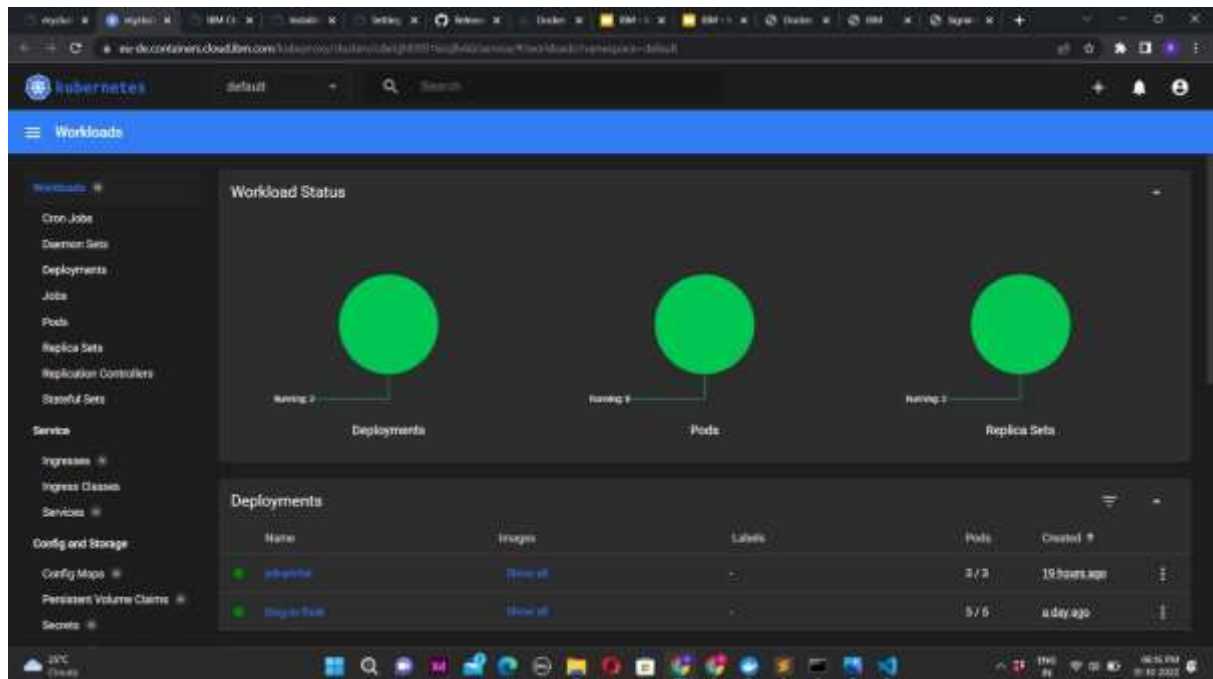


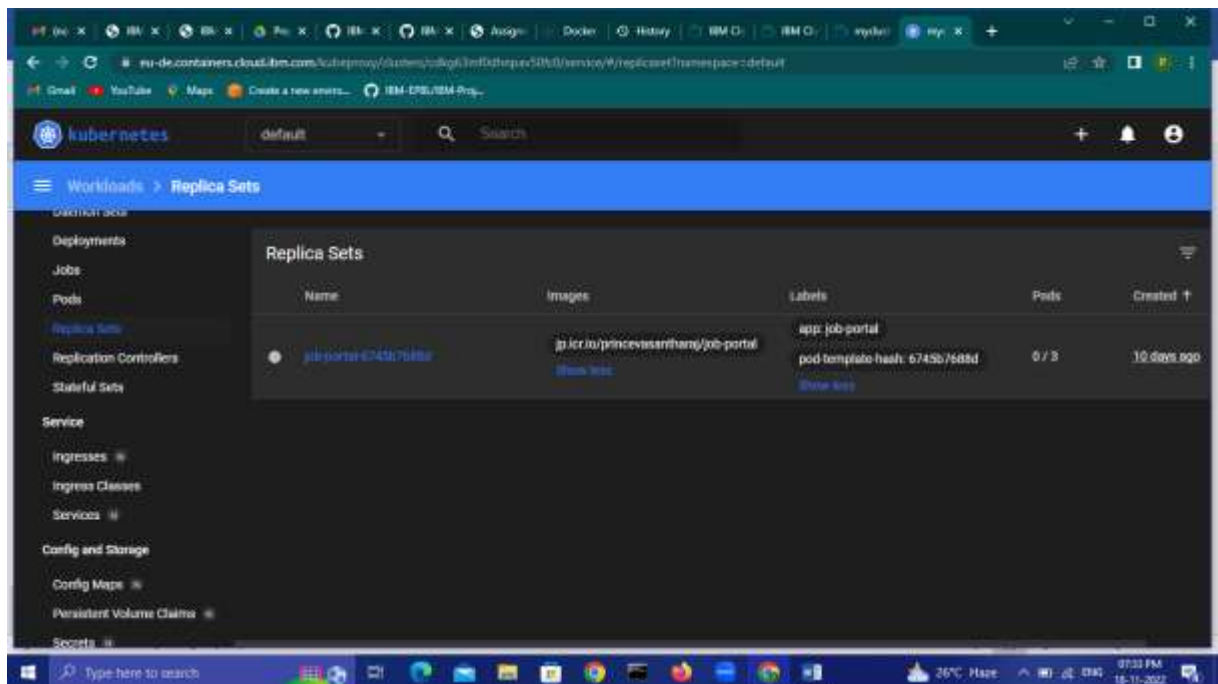
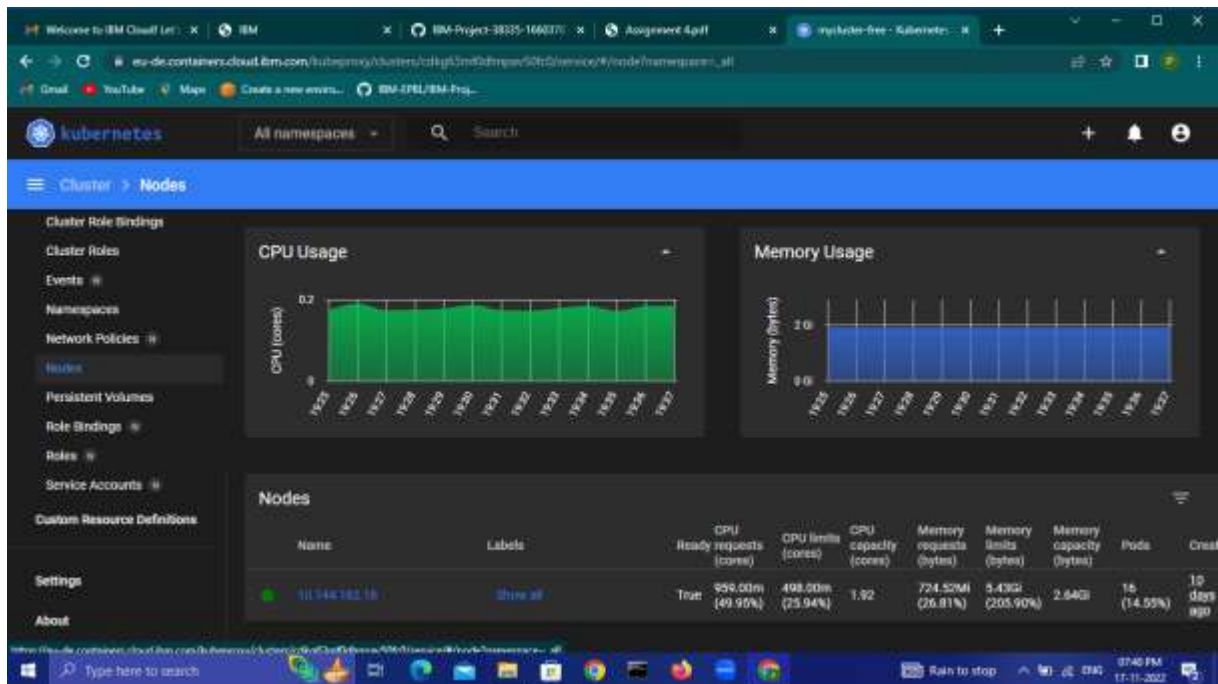
```
C:\Windows\System32\cmd.exe
Targeted account Prince Vasantharaj's Account (59d820f90eb6488a4ef9009c40bda15)

Select a region (or press enter to skip):
1. au-syd
2. in-che
3. jp-osa
4. jp-tok
5. kr-seo
6. eu-de
7. eu-gb
8. ca-tor
9. us-south
10. us-east
11. br-sao
Enter a number> 4
Targeted region jp-tok

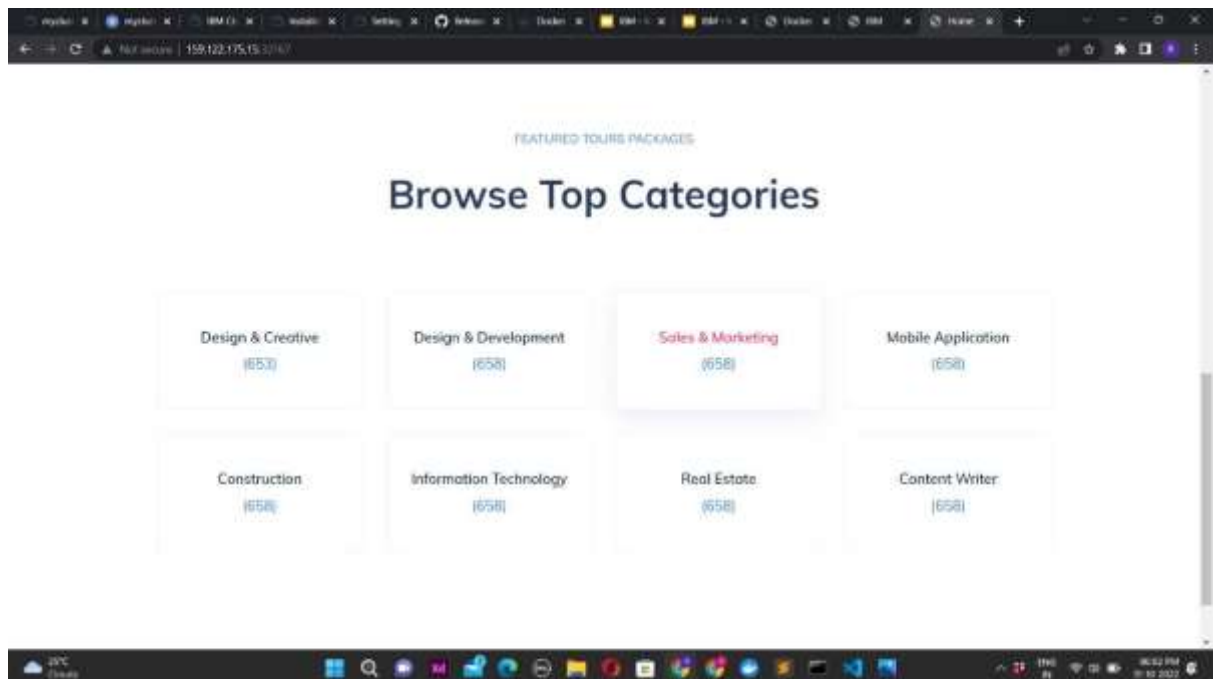
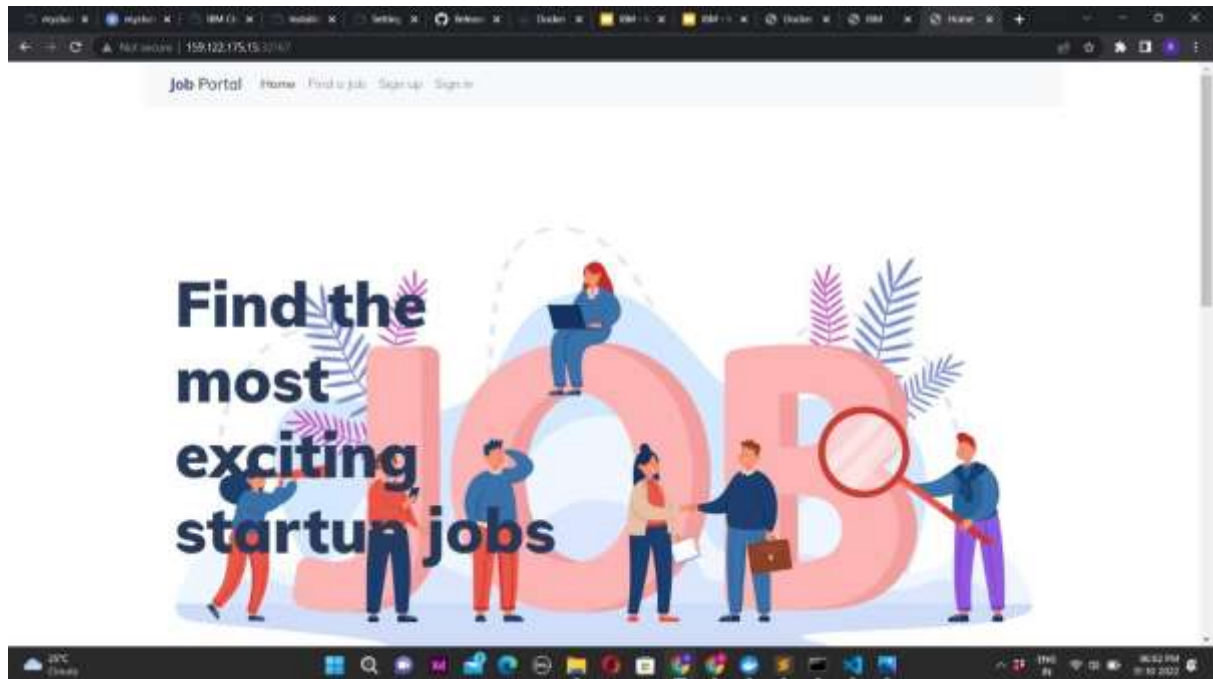
API endpoint: https://cloud.ibm.com
Region: jp-tok
User: 19urcs943@macet.ac.in
Account: Prince Vasantharaj's Account (59d820f90eb6488a4ef9009c40bda15)
Resource group: No resource group targeted, use "ibmcloud target -g RESOURCE_GROUP"
CF API endpoint:
Org:
Space:

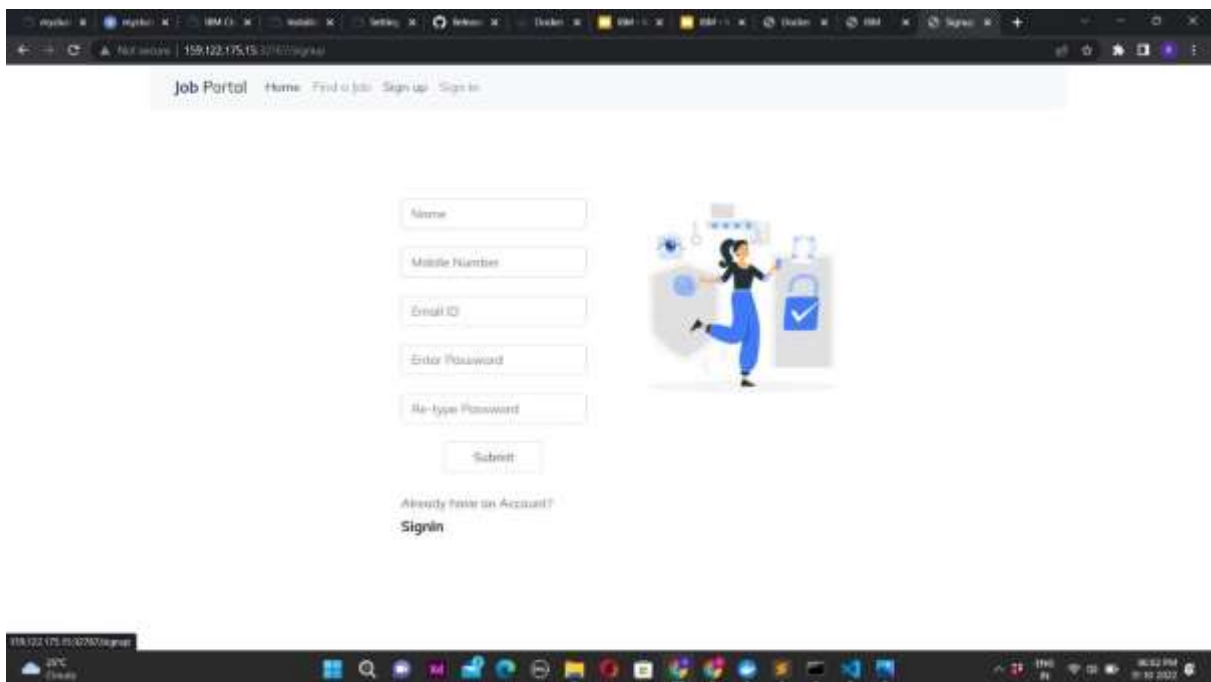
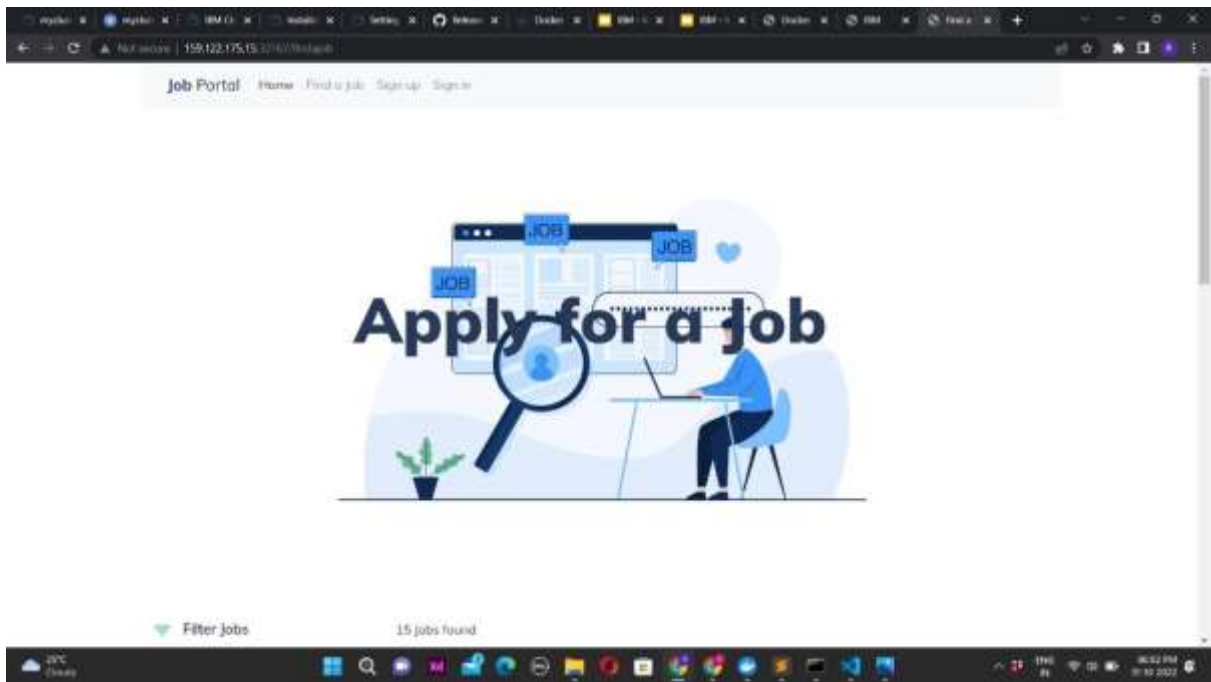
C:\Users\Prince Vasantharaj\Desktop\job-portal>
```











159.122.175.15/167/FindJobs

Filter Jobs 15 jobs found

**Job Type**

☐ Full Time

☒ Part Time

☐ Remote

☐ Freelance

**Job Location**

Chemical

**Experience**

☐ 1-2 Years

☒ 2-3 Years

☐ 3-6 Years

☐ 6+ years

**Posted Within**

Any

**Digital Marketer**

TCS Chemical, India \$2500 - \$4000 Full Time 7 hours ago

**Marketing Executive**

Wipro Hyderabad, India \$2500 - \$4000 Full Time 7 hours ago

**Full Stack Developer**

Infraay Pune, India \$3500 - \$4000 Full Time 7 hours ago

**UI/UX Designer**

Crestwork Bangalore, India \$2500 - \$4000 Full Time 7 hours ago

20°C (Today)

159.122.175.15/167/signin


Job Portal Home Find a Job Sign up Sign in

Email ID

Password

Submit

Don't have an Account?  
**SignUp**



159.122.175.15/167/signin

20°C (Today)

View the deployed Job-portal flask application by clicking the below link:

<http://159.122.178.141:30614/>