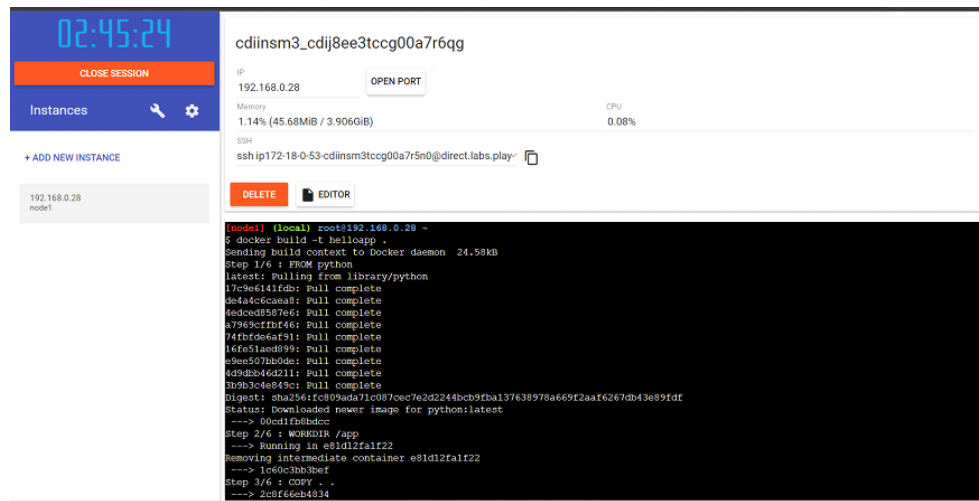


## ASSIGNMENT - 4

Assignment Date	5/11/2022
Student Name	HEMAMAHESH M
Student Roll Number	711619104006
Team ID	PNT2022TMID42748

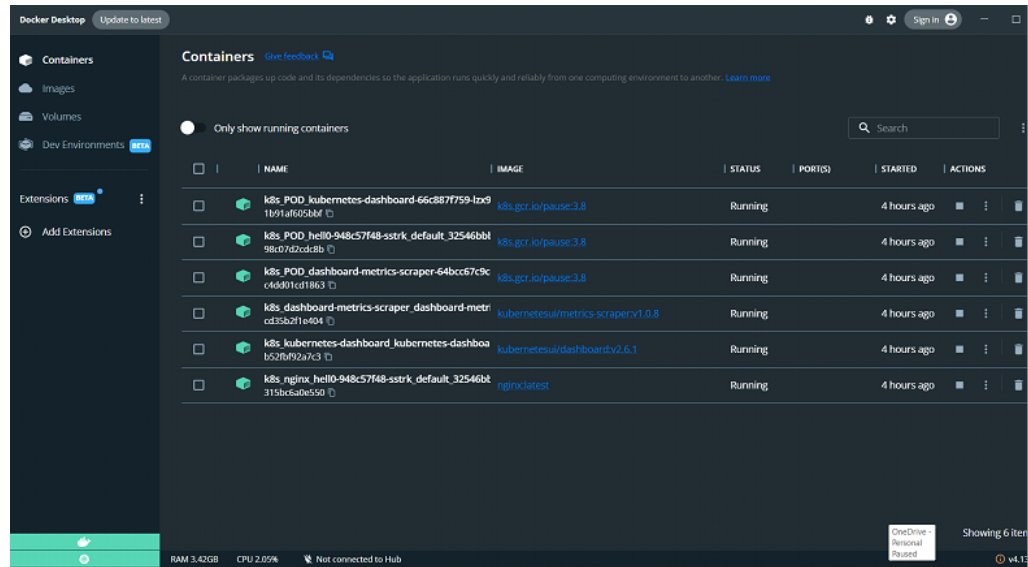
1. Pull an image from docker hub and run it in docker playground.



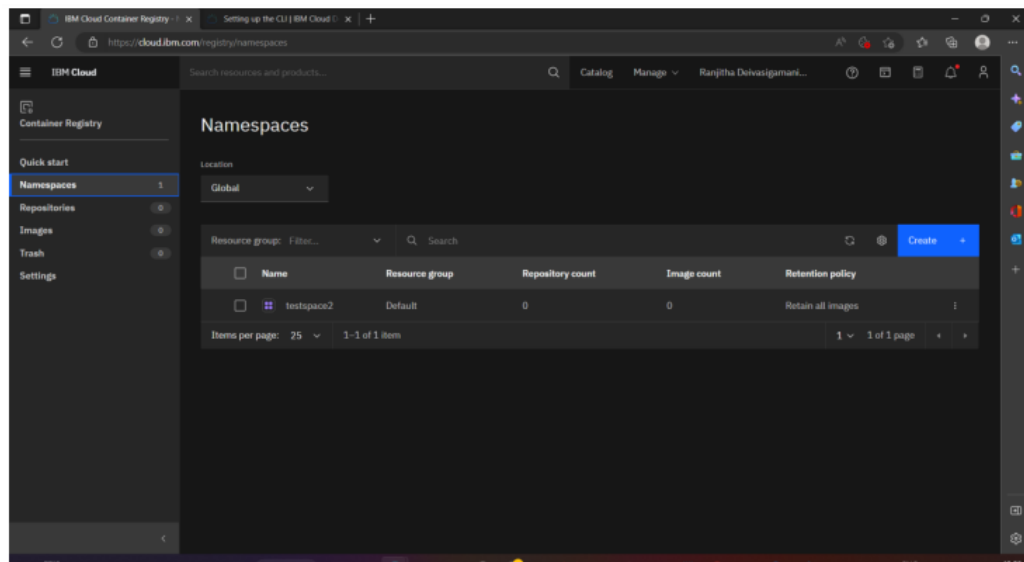
The screenshot shows the Docker Playground interface. On the left sidebar, there's a clock showing 02:45:24, a 'CLOSE SESSION' button, and a list of instances. The main panel displays details for a container named 'cdiinsm3\_cdi8ee3tccg00a7r6qg'. It shows the IP address 192.168.0.28, memory usage at 1.14% (45.68MiB / 3.906GiB), and CPU usage at 0.08%. Below this, there's an SSH command: 'ssh ip172-18-0-53-cdiinsm3tccg00a7r5n0@direct.labs.play'. The terminal window shows the output of a 'docker build' command, including the steps for pulling the 'python' image and building the 'helloapp' image.

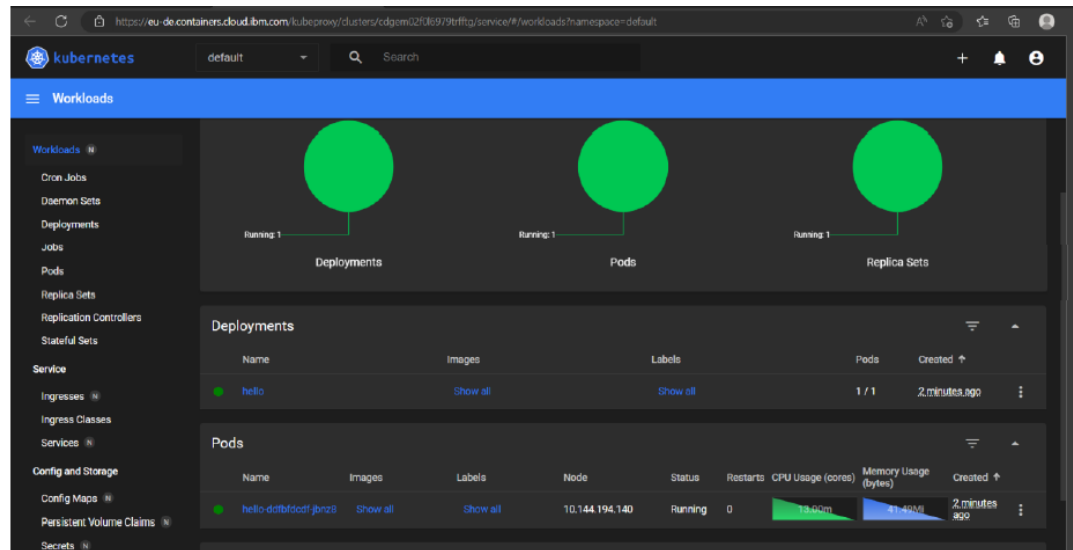
```
[root@localhost ~]# docker build -t helloapp .
Sending build context to Docker daemon 24.59kB
Step 1/6 : FROM python
latest: Pulling from library/python
1f0e6141f2b: Pull complete
4e4a4c6c9a8: Pull complete
4edced857e6: Pull complete
a79e9c7f7f46: Pull complete
4f0f6e6e791: Pull complete
1c6e51aed899: Pull complete
e9ee507bb0de: Pull complete
4d9dbb46d211: Pull complete
109db3e4e49c: Pull complete
Digest: sha256:1fc809ada71c0870ec7e2d2244bc9fba137638978a669f2aaf6267db43e89fde
Status: Downloaded newer image for python:latest
----> 00ed1f8bdc
Step 2/6 : WORKDIR /app
----> Running in e81d12f2f22
Removing intermediate container e81d12f2f22
----> 1c6c3bb3be
Step 3/6 : CMD python .
----> 2c8f66eb4914
```

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

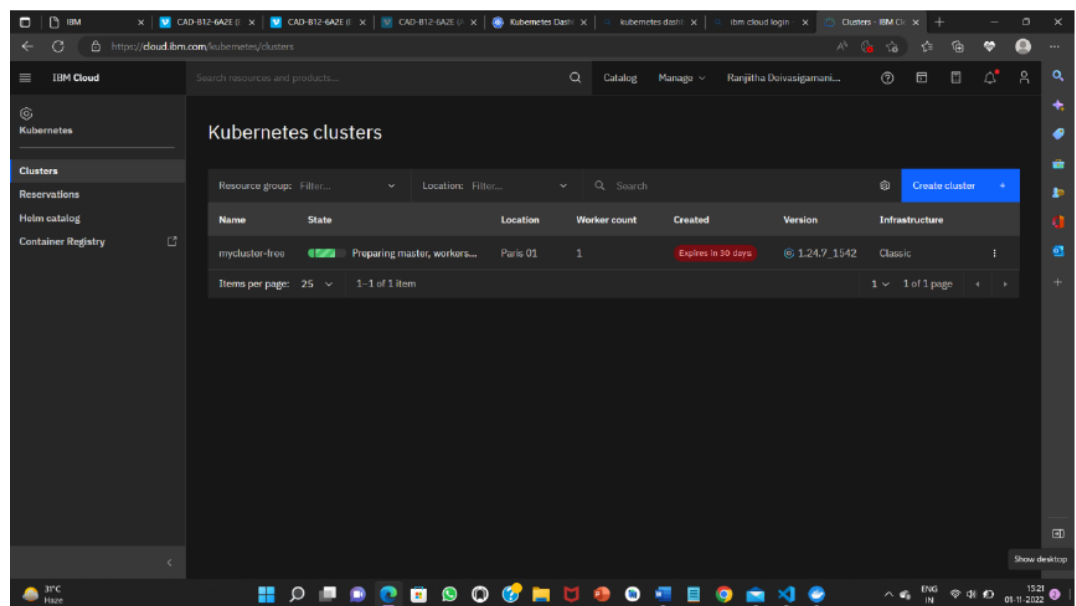


3.Create a IBM container registry and deploy “Job Portal”.





4. Create a kubernetes cluster in IBM cloud and deploy “Job portal” image and also explore the same app to run in nodeport.



**Welcome to JOB PORTAL**

**This is a demo page for Docker & Kubernetes**

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