# Assignment - 4

Assignment Date	24 October 2022
Student Name	Durai raja
TeamID	PNT2022TMID50619
Maximum Marks	2 Marks

## Question 1:

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





### Question 2:

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

### DOCKERFILE:

```
FROM python:3.8-buster

WORKOIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY ./app/

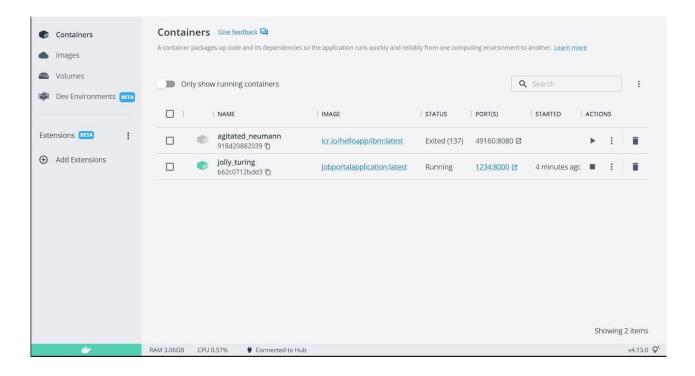
RUN cp .env.dev.sample .env

EXPOSE 8000

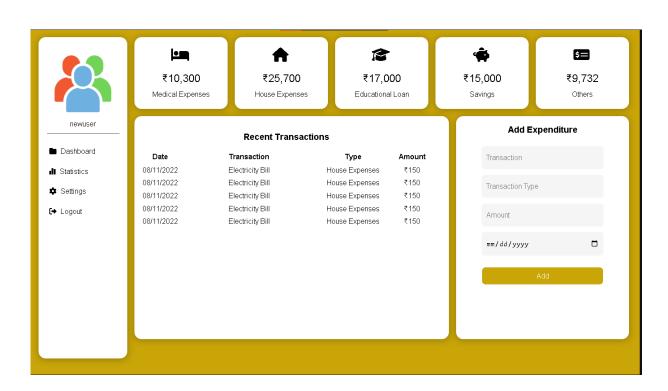
RUN chmod +x entrypoint.sh

CMD ["sh", "entrypoint.sh"]
```

### **DEPLOYMENT OF JOBPORTAL APPLICATION:**



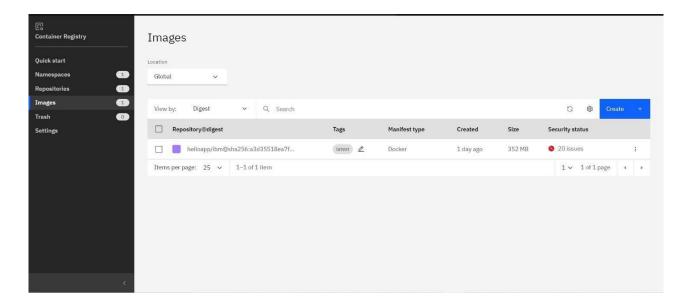
### **OUTPUT:**



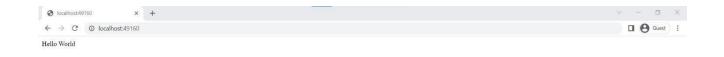
# Question 3:

Create a IBM container registry and deploy helloworld app or jobportapp.

# IBM CONTAINER REGISTRY DEPLOYMENT:



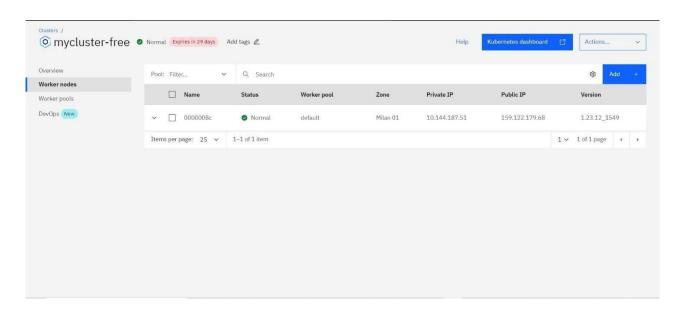
### **OUTPUT:**



## Question 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.

Creating kubernetes cluster in IBM cloud and exposing nodeport:



# Output:

