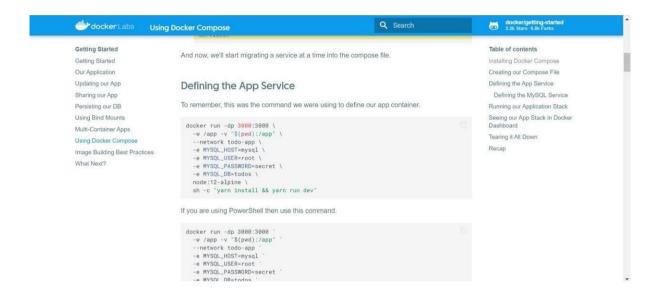
Assignment -4

Docker And Kubernetes

Assignment Date	21 October 2022
Student Name	Mr. M . Rathinavel
Student Roll Number	911719104055
Maximum Marks	2 Marks

Question-1:

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



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

```
FROM python:3.8-alpine

LABEL maintainer="Kunal Malhotra, kunal.malhotra1@ibm.com"

RUN mkdir /app

WORKDIR /app

COPY . /app

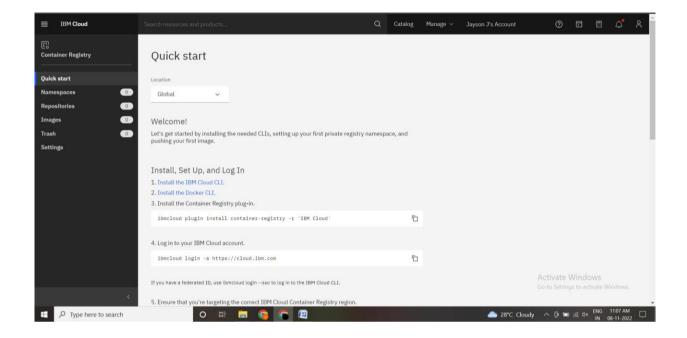
RUN pip install -r requirements.txt

EXPOSE 5000

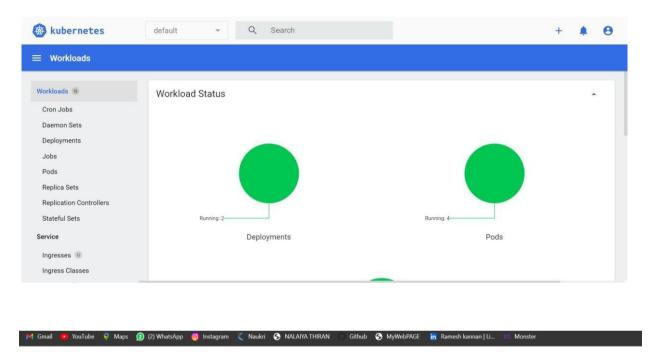
ENTRYPOINT [ "python" ]

CMD [ "app.py" ]
```

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



4. Create a Kubernetes cluster in IBM cloud and deploy helloworld image or also expose the same app to run in nodeport.



This is rathinavel from kubernates