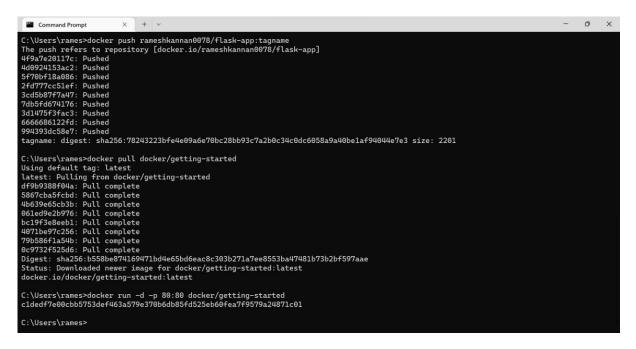
Assignment -4

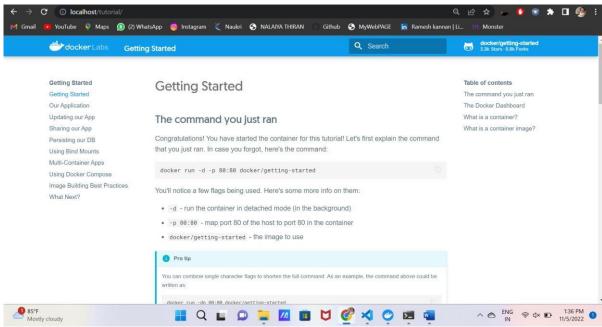
Docker And Kubernates

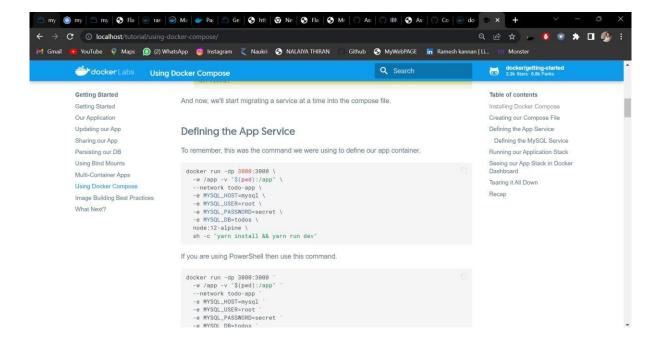
| Assignment Date | 21 October 2022 |
|---------------------|------------------|
| Student Name | Shanmitha Makesh |
| Student Roll Number | 312419104129 |
| Maximum Marks | 2 Marks |

Question-1:

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







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

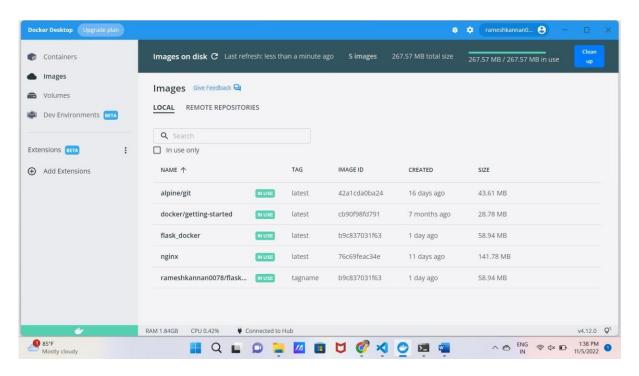
COPY . /app

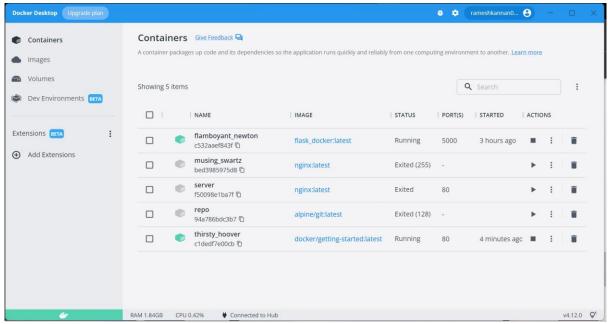
RUN pip install -r requirements.txt

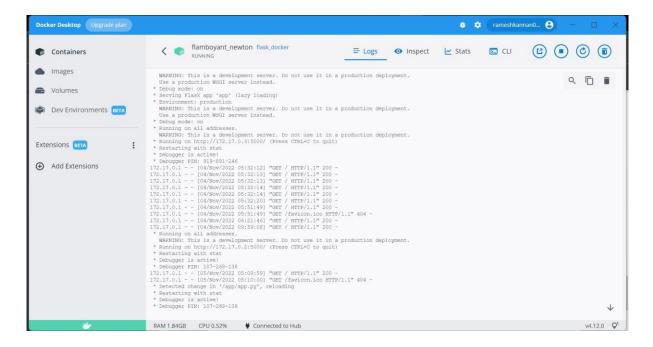
EXPOSE 5000

ENTRYPOINT [ "python" ]

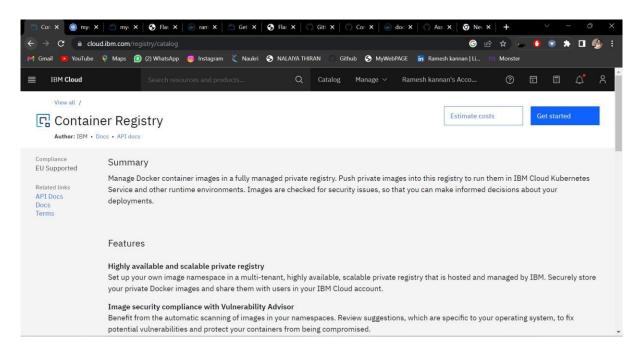
CMD [ "app.py" ]
```

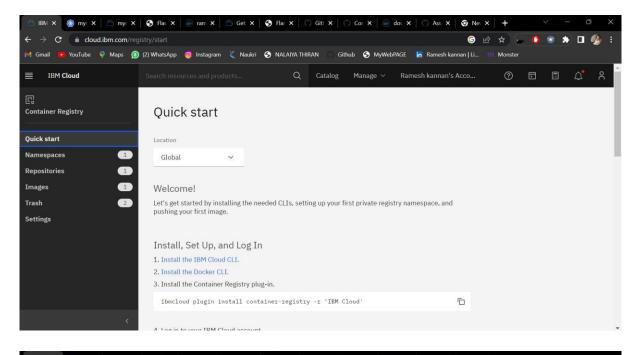


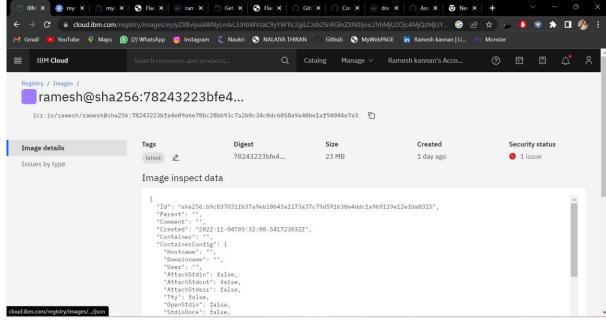




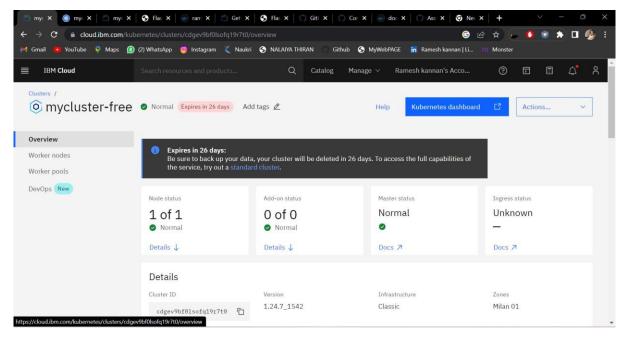
3. Create a IBM container registry and deploy helloworld app.

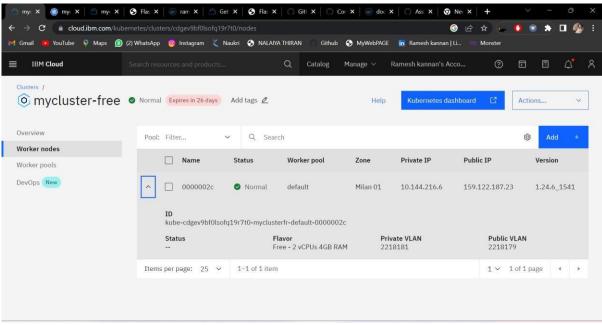


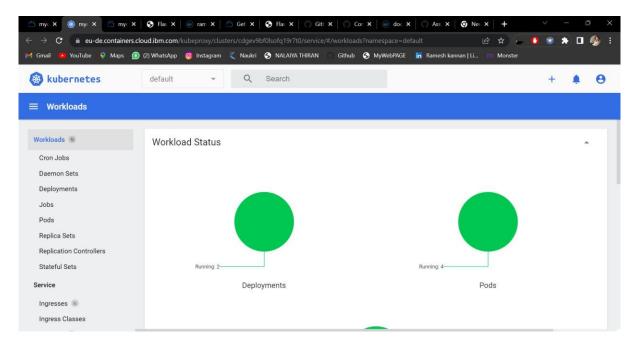


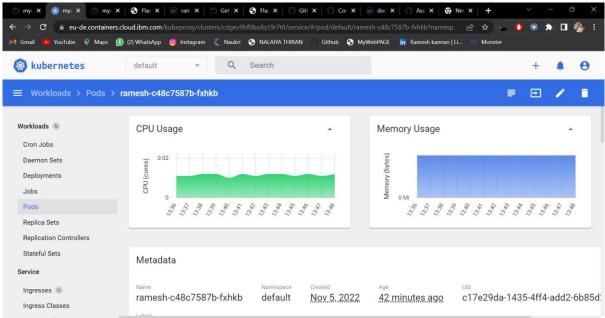


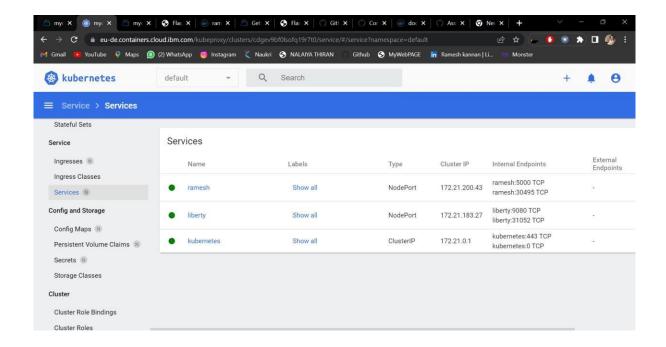
4.Create a Kubernetes cluster in IBM cloud and deploy helloworld image or also expose the same app to run in nodeport.

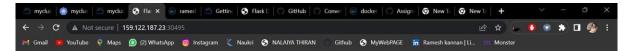












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