Assignment -4

Assignment Date	07 October 2022
Student Name	NITISHARIHARAN K S
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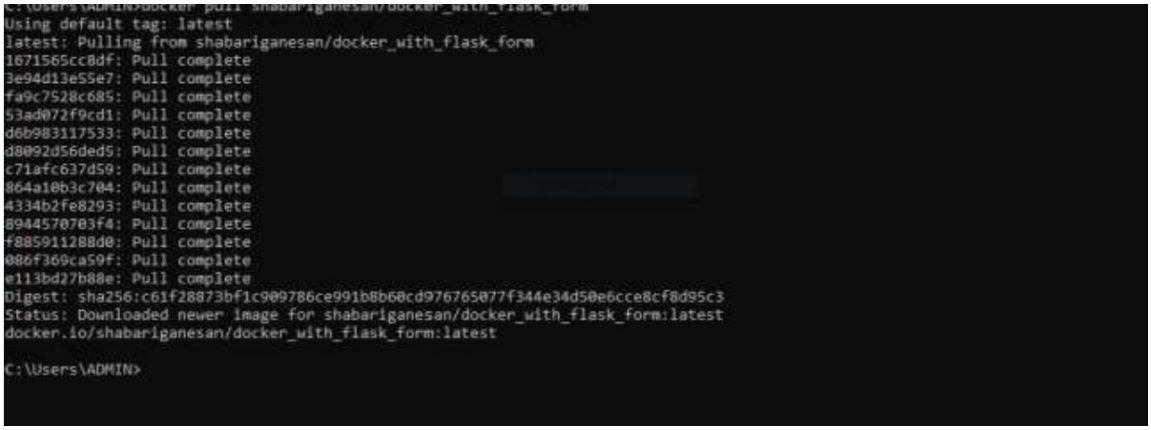
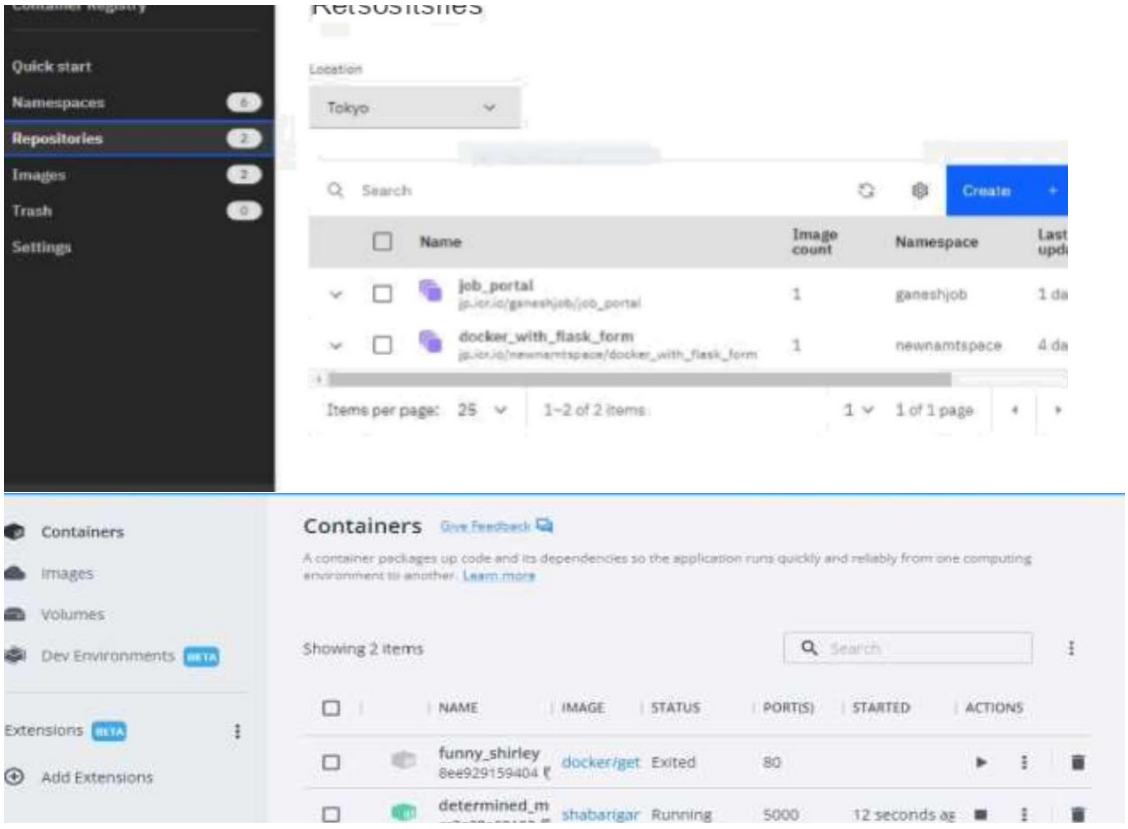
Maximum Marks	2 Marks

Question 1:

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

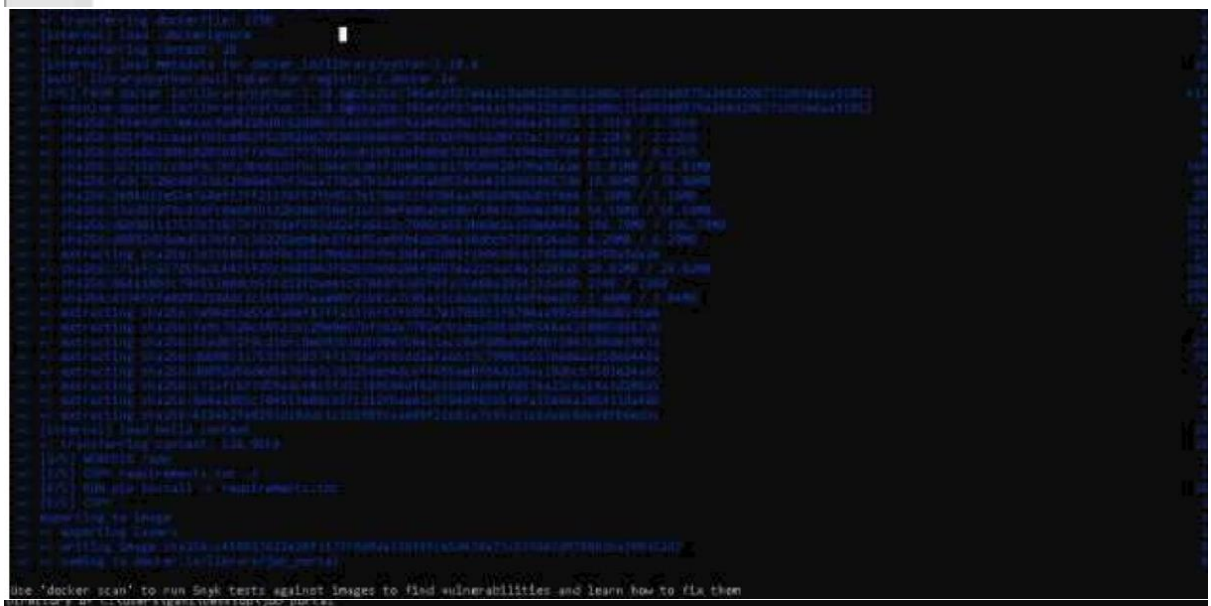


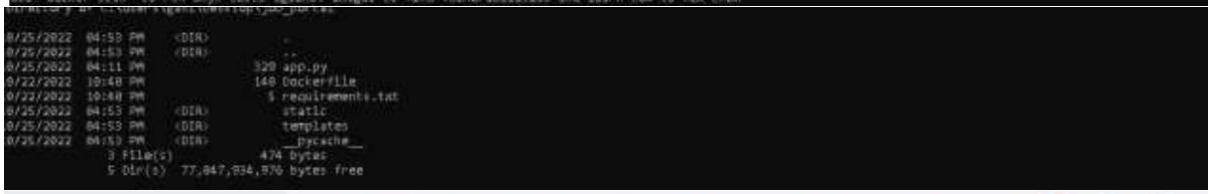


Question 2 :

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

```
FROM python:3.10.6
WORKDIR /app
COPY requirements.txt ./
RUN pip install -r requirements.txt
COPY . .
EXPOSE 5000
CMD ["python","./app.py"]
```





Question 3 :

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

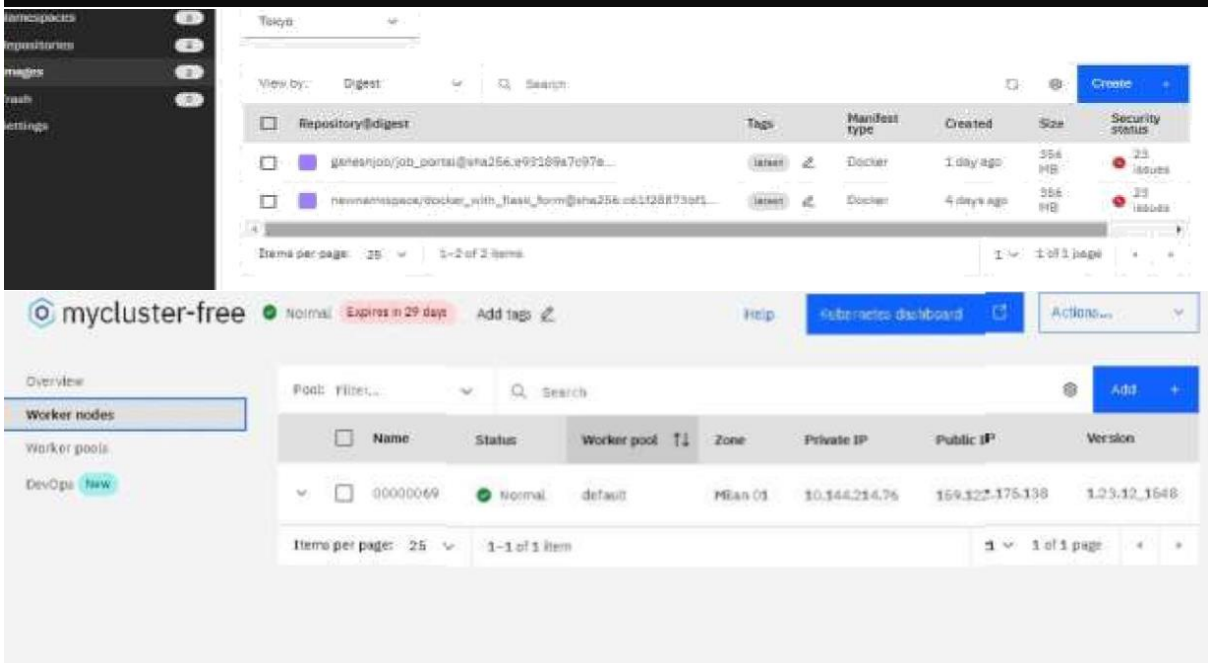
```
               9 Dir(s)  79,221,886,976 bytes free

C:\Users\gani\Desktop>cd deploy
The system cannot find the path specified.

C:\Users\gani\Desktop>kubectl apply -f kubernetes/depoly.yaml
error: the path "kubernetes/depoly.yaml" does not exist

C:\Users\gani\Desktop>kubectl apply -f depoly.yaml
error: the path "depoly.yaml" does not exist

C:\Users\gani\Desktop>kubectl apply -f C:\Users\gani\Desktop\deploy.yaml
deployment.apps/flask-app created
```



Question 4 :

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.