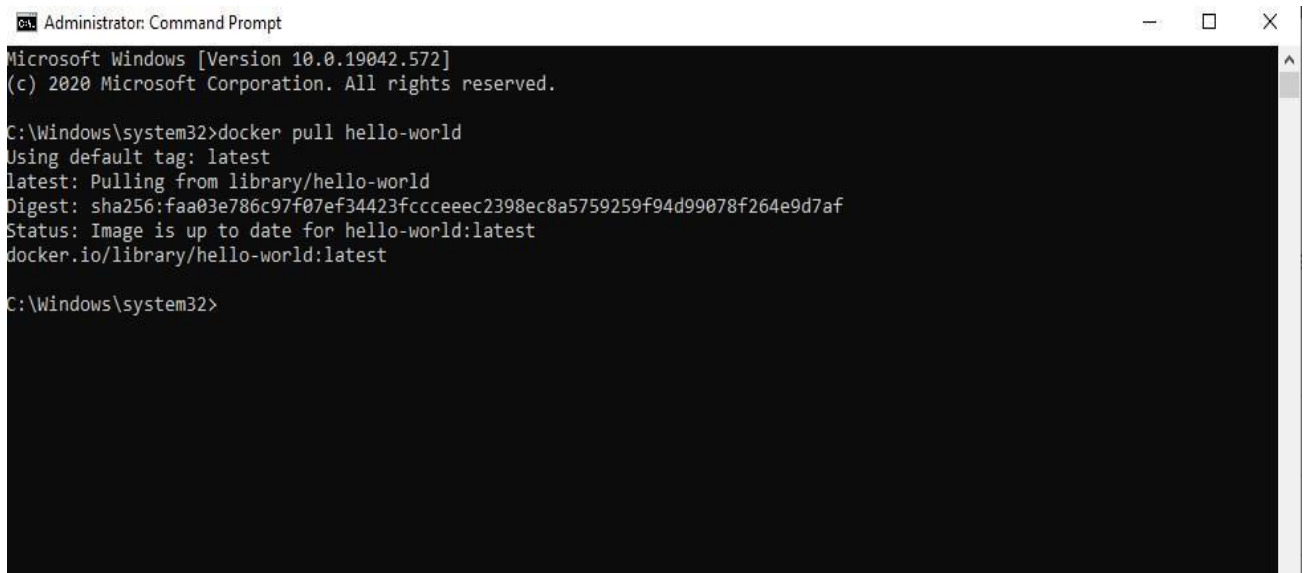


Assignment - 4

Student Name	Dinesh Kumar K S
Student Roll Number	113119UG07019
Team Id	PNT2022TMID22530

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



```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19042.572]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Windows\system32>docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
Digest: sha256:faa03e786c97f07ef34423fccceec2398ec8a5759259f94d99078f264e9d7af
Status: Image is up to date for hello-world:latest
docker.io/library/hello-world:latest

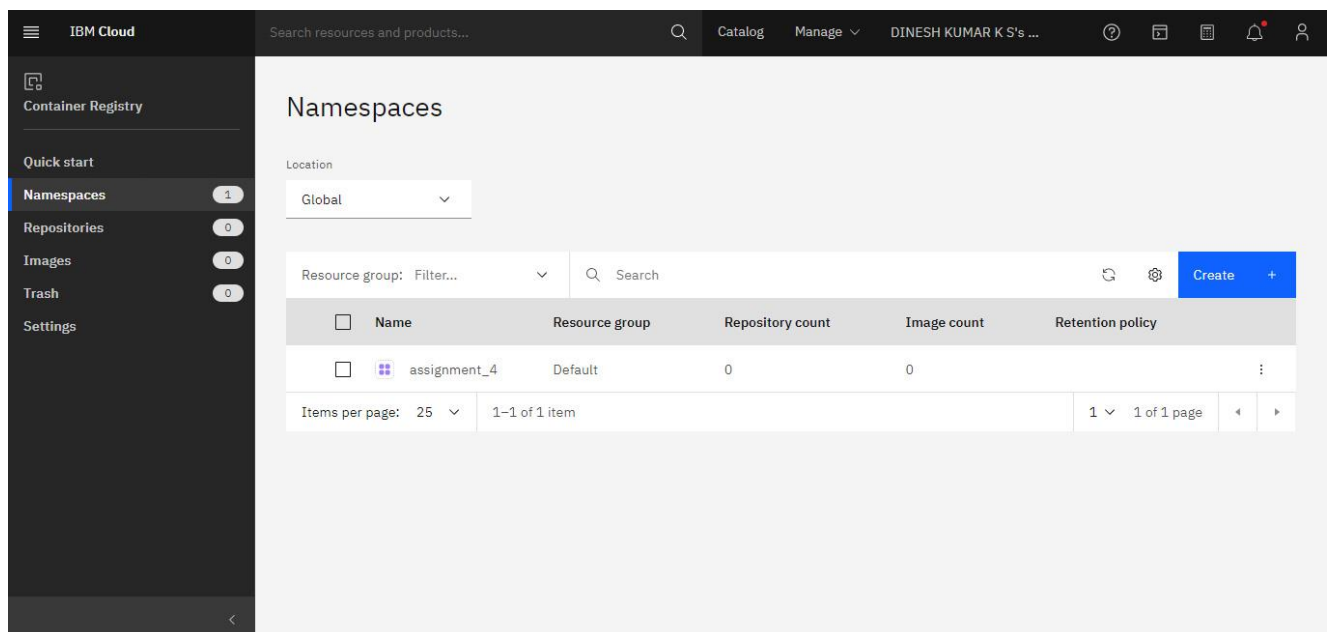
C:\Windows\system32>
```

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

```
FROM jobportal:latest
COPY ./app
WORKDIR /app
ADD .jobportal/
```

RUN pip install -r requirements
CMD ["app.py"]

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



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.

IBM Cloud

Kubernetes

Clusters

Reservations

Helm catalog

Container Registry

Search resources and products...

CatalogManageDINESH KUMAR K S's ...

Kubernetes clusters

Resource group: Filter...Location: Filter...Search

Create cluster

Name	State	Location	Worker count	Created	Version	Infrastructure
mycluster-free	Normal	Paris	1	Expires in 30 days	1.24.7_1542	Classic

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