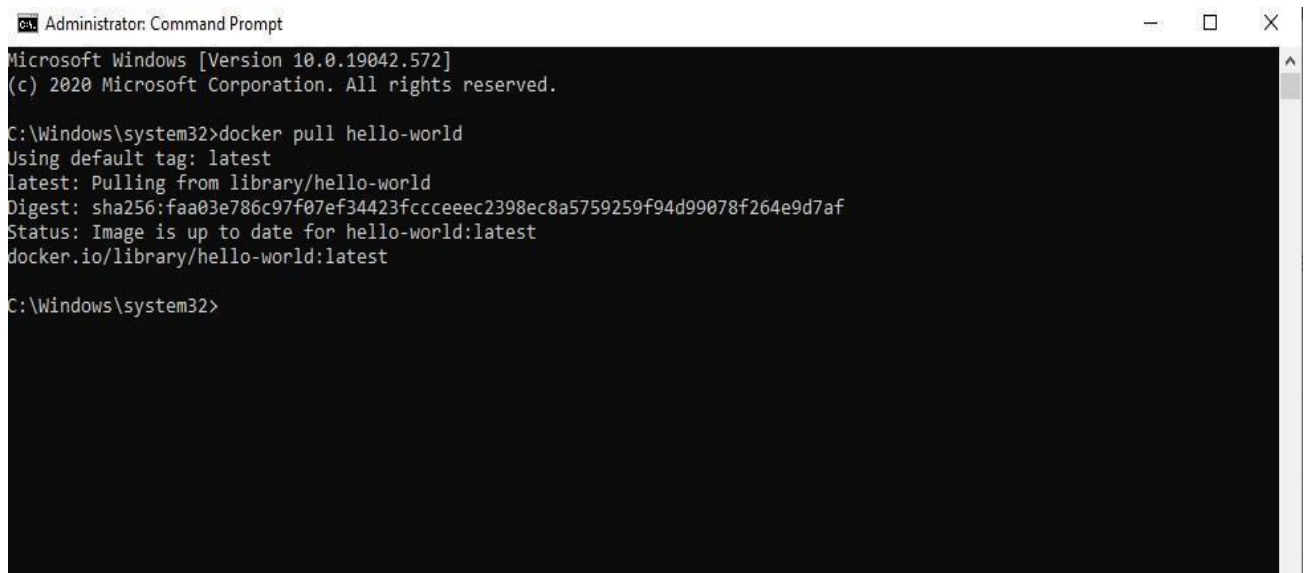


## Assignment - 4

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### 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

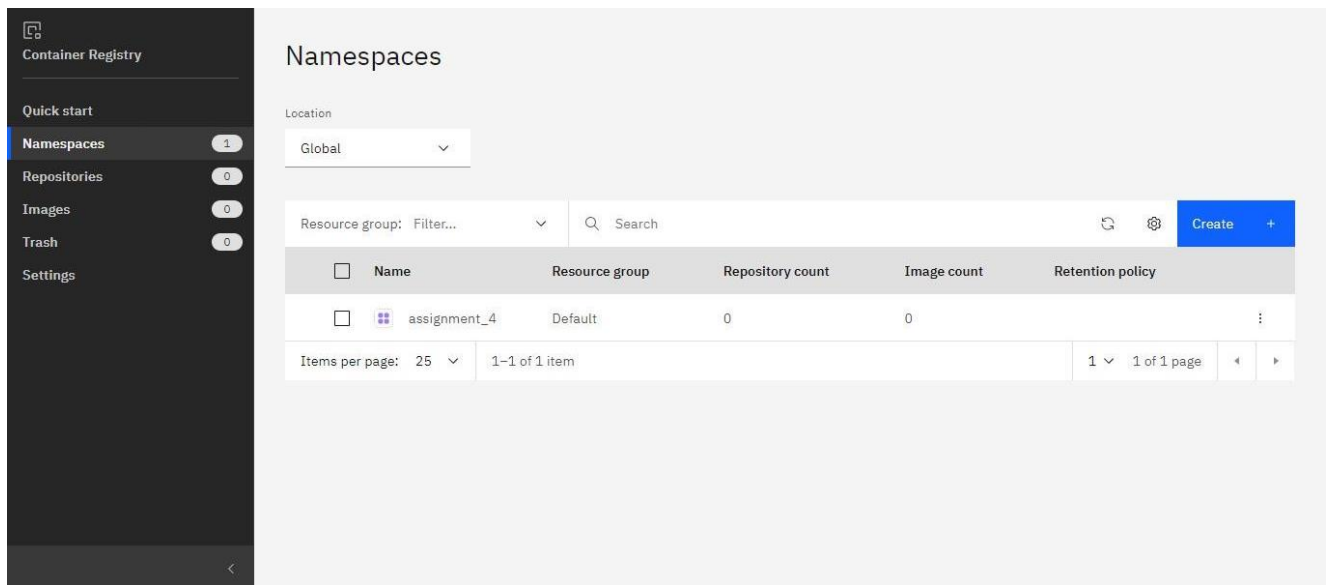
C:\Windows\system32>
```

### 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.

Kubernetes

Clusters



Reservations

Helm catalog

Container Registry

## Kubernetes clusters

Resource group: Filter...Location: Filter...SearchCreate 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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