ASSIGNMENT-4

PROJECT NAME :NEWS TRACKER APPLICATION

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

```
PS C:\Windows\system32> docker pull hello-world
Using default tag: latest
latest: Pulling from library/hello-world
Digest: sha256:e18f0a777aefabe047a671ab3ec3eed05414477c951ab1a6f352a06974245fe7
Status: Image is up to date for hello-world:latest
docker.io/library/hello-world:latest
PS C:\Windows\system32>
```

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

FROM

helloworld:lates

t WORKDIR

~/Desktop/

ADD .

helloworld/

WORKDIR

~/Desktop/htmlfile

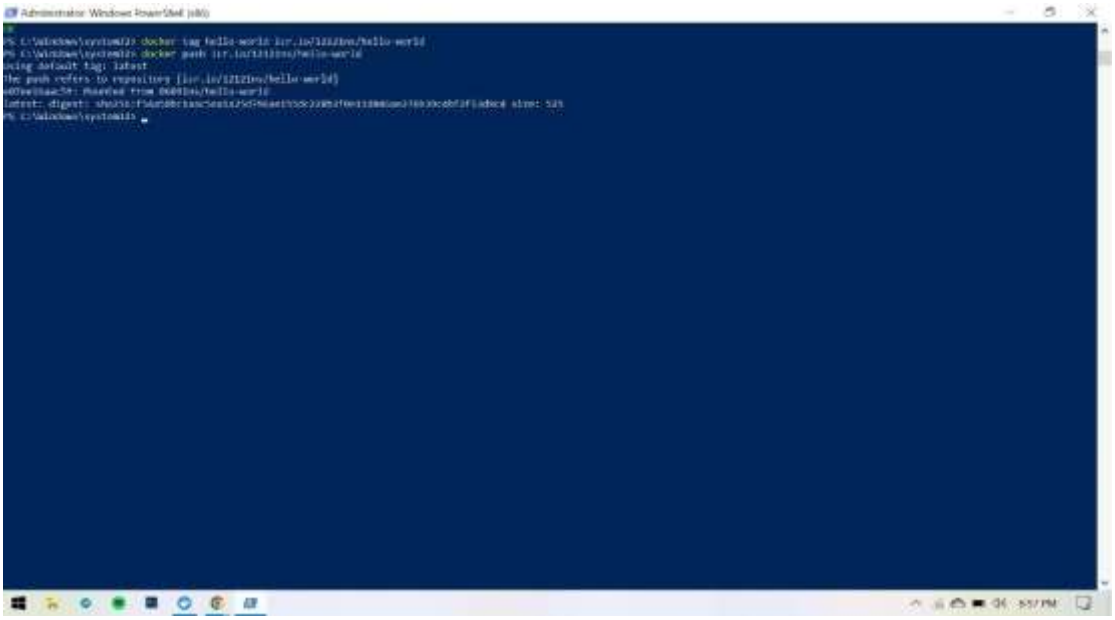
RUN pip install -r

requirements RUN

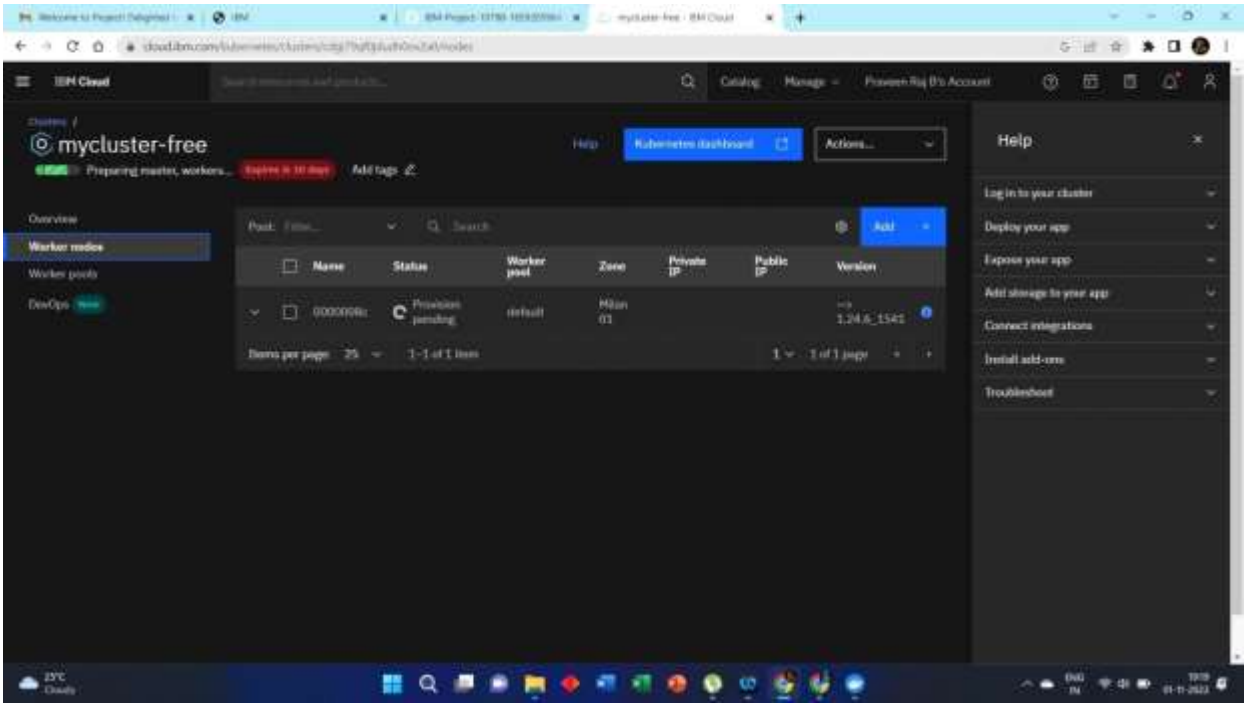
chmod +x app.sh

CMD
["/bin/sh","app.sh"]

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



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
mycluster-free
Preparing master, workers...
Add tags
Help
Kubernetes dashboard
Actions...
Overview
Worker nodes
Worker pools
DevOps
Add
Name
Status
Worker pool
Zone
Private IP
Public IP
Version
Provision pending
default
1.24.6_1545
Items per page: 25
1-1 of 1 item
1 of 1 page
Help
Log in to your cluster
Deploy your app
Expose your app
Add storage to your app
Connect integrations
Install add-ons
Troubleshoot