

ASSIGNMENT-4

Assignment Date	06 November 2022
Team ID	PNT2022TMID36244
Maximum Marks	2 Marks

Question 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>
```

Question 2:

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

desktop application.

FROM helloworld:latest

WORKDIR ~/Desktop/

ADD . helloworld/

WORKDIR ~/Desktop/htmlfile

RUN pip install -r requirements

RUN chmod +x app.sh

CMD

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

Question 3:

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

```
Administrator: Windows PowerShell
PS C:\Windows\system32> docker tag hello-world air.io/airbnb/hello-world
PS C:\Windows\system32> docker push air.io/airbnb/hello-world
Using default tag: latest
The push refers to repository [air.io/airbnb/hello-world]
error: failed to push image: failed to push default tag: push failed: sha256:16007946272f18804: size: 500
PS C:\Windows\system32>
```

Question 4:

IBM Cloud

Search resources and products...

Clusters / mycluster-free

Preparing master, workers... Expires in 30 days Add tags

Overview

Worker nodes

Worker pools

DevOps **new**

Pool: Filter... Search Add

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
0000008c	Provision pending	default	Milan 01			--> 1.24.6_1541

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Help

- Log in to your cluster
- Deploy your app
- Expose your app
- Add storage to your app
- Connect integrations
- Install add-ons
- Troubleshoot

25°C Cloudy

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