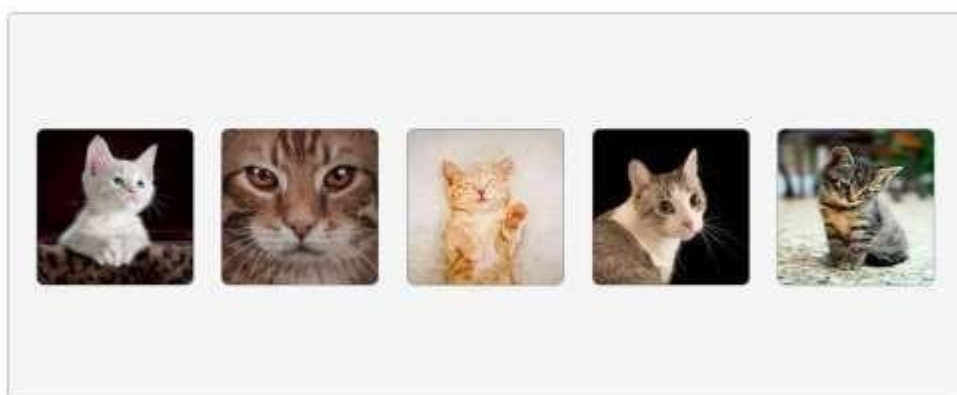


**Assignment -4 IBM Cloud -  
Docker - Kubernetes**

Assignment Date	21 October 2022
Student Name	Mr.Mohamed fadil S
Student Roll Number	722819104081
Maximum Marks	2 Marks

**Question:**

1. Pull an Image from docker hub and run it in docker playground.
2. Create a dockerfile for the job portal / flask application and deploy it in Docker desktop application.
3. Create a IBM container registry and push docker image of flask application or job portal app.
4. Create a Kubernetes cluster in IBM cloud and deploy flask application image or job portal image and also expose the same app to run in nodeport.



Docker Playground Assignment ID

labs.play-with-docker.com/pw/212v9\_cdj2t5f91rrg00c7p3kg

03:53:40

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.18 root

cdj2t2v9\_cdj2t5f91rrg00c7p3kg

IP: 192.168.0.18 OPEN PORT: 5000

Memory: 27.58% (1.077GiB / 3.906GiB) CPU: 0.44%

SSH: ssh -p 172.17.0.31 -o UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no root@192.168.0.18

DELETE EDITOR

```
169c7570c001: Pull complete
33ade72f9c01: Pull complete
406983117533: Pull complete
40692b86c029: Pull complete
c72af0837059: Pull complete
164a1063c704: Pull complete
4334b2fe5293: Pull complete
9ed491d8c967: Pull complete
84bda8097495: Pull complete
994eb32c131b: Pull complete
70c492066a97: Pull complete
Digest: sha256:00aa7f8b0e09e541aaa359f1bbab853484e40203960ec48c617e76d785b71
Status: Downloaded newer image for reaganrajeskar/assignment:latest
docker.io/reaganrajeskar/assignment:latest
root@192.168.0.18 ~#
# docker run -d -p 3000:5000 reaganrajeskar/assignment
4d70c367fa7c764b0eeb33704412861ca26d0192ffc17eb8271165bac3d
root@192.168.0.18 ~#
```

