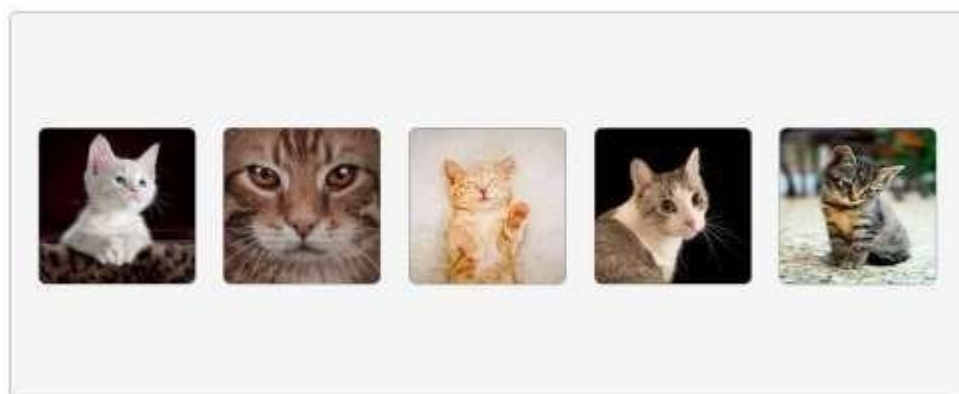


**Assignment -4 IBM Cloud -  
Docker - Kubernetes**

Assignment Date	21 October 2022
Student Name	Mr.Vishnuvardhan B
Student Roll Number	722819104164
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

lab.play-with-docker.com/j2t2v9\_rrg00c7p3kg

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: 27.56% (1.077GiB / 3.906GiB) CPU: 0.44%

SSH: ssh ip172-18-0-31-cdj2t2v91rrg00c7p3kg@direct-labs-play-with-docker

ROUTE EDITOR

```
f49c752b088: Pull complete
53ad672f6001: Pull complete
46e63117033: Pull complete
4b992b56dc9: Pull complete
c71a7c937054: Pull complete
864a19b3c704: Pull complete
4334b2f6e254: Pull complete
8e3491991897: Pull complete
c3dd4809745: Pull complete
994b52ac131b: Pull complete
79cf42c96a9f: Pull complete
Digest: sha256:00ea7f8b0b09c541aaa359f1bbbab853489e48293090cwc48c617e78d705bf1
Status: Downloaded newer image for reoganrajasekar/assignment:latest
docker.io/reoganrajasekar/assignment:latest
[reoganrajasekar/assignment:latest] root@192.168.0.18 ~
$ docker run -d -p 5000:5000 reoganrajasekar/assignment
a837d26ffa7a7c4a6debb3766812b61c926a192ffc17eb82f1145b3ac2d
[reoganrajasekar/assignment:latest] root@192.168.0.18 ~
```

