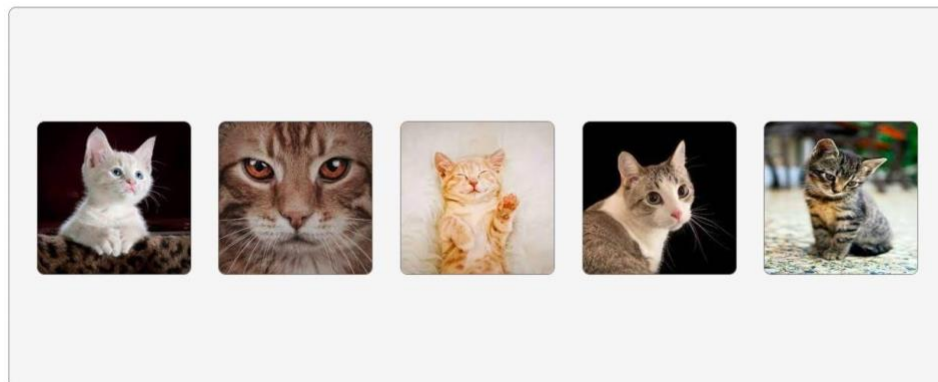
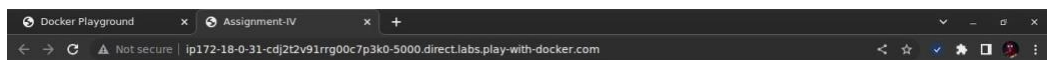


**Assignment -4**  
IBM Cloud - Docker -  
Kubernetes

Assignment Date	21 October 2022
Student Name	JANANI J
Student Roll Number	610519104037
Maximum Marks	2 Marks

**Question:**

1. Pull an Image from docker hub and run it in docker playground.
2. Create a docker file 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 no deport.



03:53:40

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.18  
node1

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-cdj2t2v91rrg00c7p3k0@direct.labs.play-with-docker

DELETE

EDITOR

```
fa9c7528c685: Pull complete
53ad972f9cd1: Pull complete
d6b983117533: Pull complete
d8092d56ded5: Pull complete
c71afc637d59: Pull complete
864a10b3c704: Pull complete
4334b2fe8293: Pull complete
6e8491d92807: Pull complete
b4bdd4899745: Pull complete
994a52ee131b: Pull complete
70cfd2c6649f: Pull complete
Digest: sha256:08ea7f8b9bd9ce541aaa359f1bbbab853404e40293960cec48c617e76d785bf1
Status: Downloaded newer image for reeganrajasekar/assignment:latest
docker.io/reeganrajasekar/assignment:latest
(node1) (local) root@192.168.0.18 ~
$ docker run -d -p 5000:5000 reeganrajasekar/assignment
a857d526ffa7c74a8deeb337640120d1cad56b192ffc17aeb82f1165cbac3d
(node1) (local) root@192.168.0.18 ~
$
```

Container Registry

Quick start

**Namespaces** 1

Repositories 1

Images 1

Trash 0

Settings

## Namespaces

LocationTokyo

Resource group: Filter... SearchCreate +

Name	Resource group	Repository count	Image count	Retention policy
assignment_4	Default	1	1	Retain all images
Repository		Image count		Last updated
jp.lcr.io/assignment_4/assignment_4		1		1 day ago

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Workloads > Pods

Workloads 0

Cron Jobs

Daemon Sets

Deployments

Jobs

**Pods**

Replica Sets

Replication Controllers

Stateful Sets

Service

Ingresses 0

Ingress Classes

Services 0

Config and Storage

Config Maps 0

### CPU Usage

### Memory Usage

### Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
assignment4-55cd499756-5mnmz	Show all	Show all	10.144.194.84	Running	0	1.00m	19.44Mi	17 minutes ago
assignment4-55cd499756-6mi2n	Show all	Show all	10.144.194.84	Running	0	1.00m	19.39Mi	17 minutes ago
assignment4-55cd499756-hi58f	Show all	Show all	10.144.194.84	Running	0	1.00m	19.44Mi	17 minutes ago

Workloads

Workloads 0

Cron Jobs

Daemon Sets

Deployments

Jobs

**Pods**

Replica Sets

Replication Controllers

Stateful Sets

Service

Ingresses 0

Ingress Classes

Services 0

Config and Storage

Config Maps 0

### Workload Status

Container Registry

Quick start

Namespaces1

Repositories1

Images1

Trash0

Settings

# Namespaces

Location

Tokyo

Resource group: Filter...

Search

Create

<input type="checkbox"/>	Name	Resource group	Repository count	Image count	Retention policy	
<input checked="" type="checkbox"/>	<div><div></div>assignment_4</div>	Default	1	1	Retain all images	
Repository			Image count		Last updated	
	<div><div></div>jp.lcr.io/assignment_4/assignment_4</div>		1	1	1 day ago	

Items per page: 25

1~1 of 1 item

1

1 of 1 page