ASSIGNMENT-4

Assignment Date	13 November 2022
Student Name	Nandhini.K
Student Roll Number	610519104068
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 an 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.
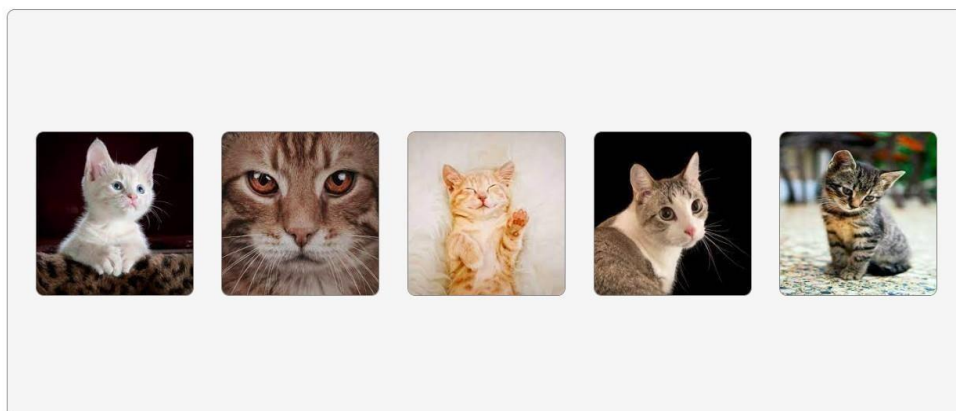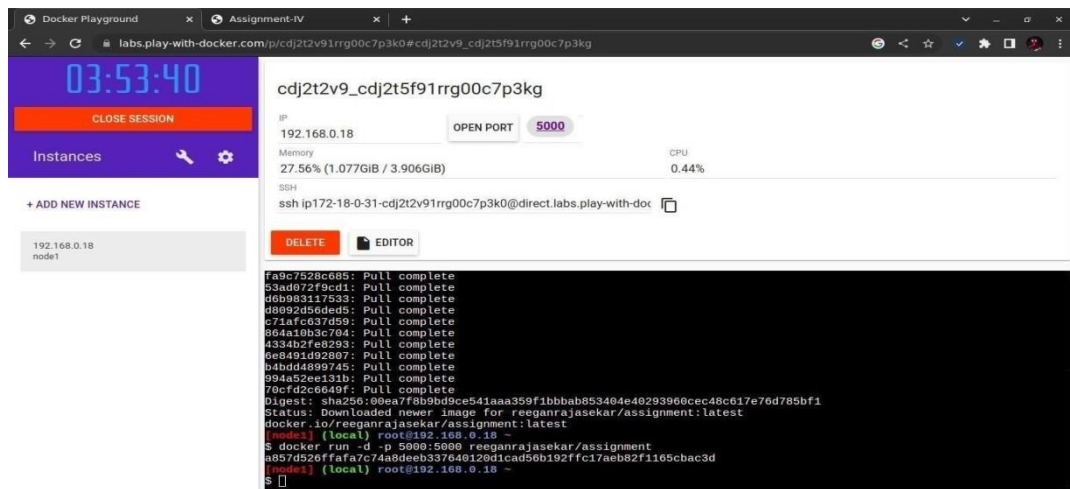
Container Registry

Quick start

Namespaces   1
Repositories   1
Images   1
Trash   0
Settings

Namespaces

Location

Tokyo

	Name	Resource group	Repository count	Image count	Retention policy	
	assignment_4	Default	1	1	Retain all images	⋮

Repository	Image count	Last updated	
jp.icr.io/assignment_4/assignment_4	1	1 day ago	⋮

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☰   Workloads > **Pods**

Workloads   N
- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets

Service
- Ingresses   N
- Ingress Classes
- Services   N

Config and Storage
- Config Maps   N

CPU Usage

CPU (cores)

0

14:50 14:51 14:52 14:53 14:54 14:55 14:56 14:57 14:58 14:59 15:00 15:01 15:02

Memory Usage

Memory (bytes)

0 Mi

14:50 14:51 14:52 14:53 14:54 14:55 14:56 14:57 14:58 14:59 15:00 15:01 15:02

Pods

	Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
●	assignment4-55cd499756-5mnzm	Show all	Show all	10.144.194.84	Running	0	1.00m	19.44Mi	17 minutes ago
●	assignment4-55cd499756-6ml2n	Show all	Show all	10.144.194.84	Running	0	1.00m	19.39Mi	17 minutes ago
●	assignment4-55cd499756-hl58f	Show all	Show all	10.144.194.84	Running	0	1.00m	19.44Mi	17 minutes ago

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☰   Workloads

Workloads   N
- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets

Service
- Ingresses   N
- Ingress Classes
- Services   N

Config and Storage
- Config Maps   N

Workload Status

Running: 1

Deployments

Running: 5

Pods

Namespaces

Container Registry

Quick start

Namespaces   1

Repositories   1

Images   1

Trash   0

Settings

Location

Tokyo

Resource group: Filter...   Q Search   Create +

	Name	Resource group	Repository count	Image count	Retention policy	
☐	assignment_4	Default	1	1	Retain all images	⋮

Repository	Image count	Last updated	
jp.icr.io/assignment_4/assignment_4	1	1 day ago	⋮

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