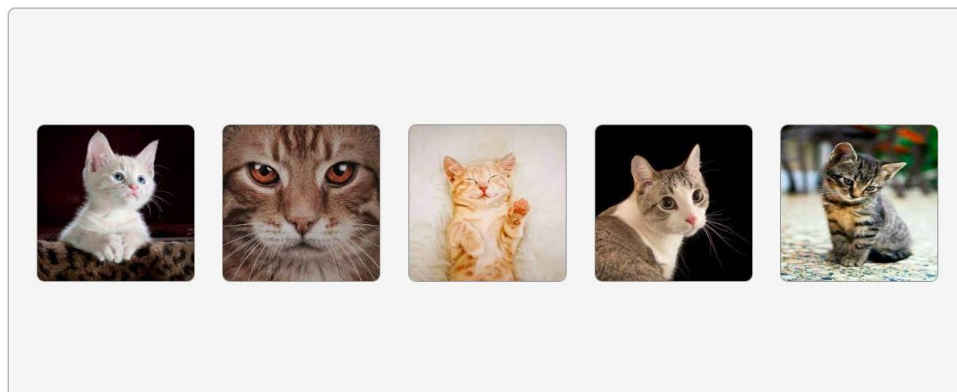
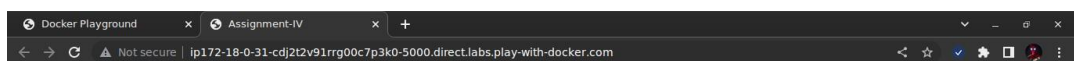
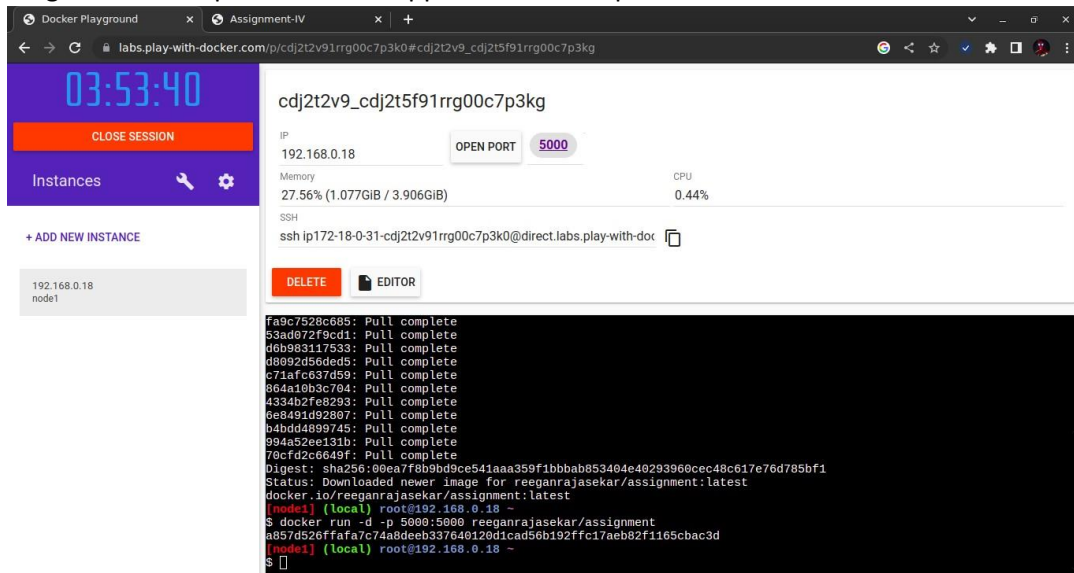


**Assignment -4 IBM Cloud -
Docker - Kubernetes**

Assignment Date	21 October 2022
Student Name	J.Mujibur Rahman
Student Roll Number	821919104014
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.



Container Registry

Quick start

Namespaces 1

Repositories 1

Images 1

Trash 0

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"/>	assignment_4	Default	1	1	Retain all images	
Repository			Image count		Last updated	
	jp.icr.io/assignment_4/assignment_4			1	1 day ago	

Items per page: 25 1-1 of 1 item 1 1 of 1 page

Workloads > Pods

Workloads Cron Jobs Daemon Sets Deployments Jobs Pods Replica Sets Replication Controllers Stateful Sets Service Ingresses Ingress Classes Services Config and Storage Confluo Maos

CPU Usage

Memory Usage

Pods

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

Workloads

Workloads Cron Jobs Daemon Sets Deployments Jobs Pods Replica Sets Replication Controllers Stateful Sets Service Ingresses Ingress Classes Services Config and Storage Confluo Maos

Workload Status

assignment Normal Expires in 30 days Add tags

Help Kubernetes dashboard Actions...

Overview Worker nodes Worker pools DevOps New

Expires in 30 days: Be sure to back up your data, your cluster will be deleted in 30 days. To access the full capabilities of the service, try out a standard cluster.

Node status 1 of 1 Normal Details

Add-on status 0 of 0 Normal Details

Master status Normal Docs

Ingress status Unknown Docs

Details

Cluster ID cjd241sf08n3dac113fg

Version 1.24.7_1542

Infrastructure Classic

Zones Milan 01

Created 05/11/2022, 14:14

Resource group Default

Image security enforcement Enable