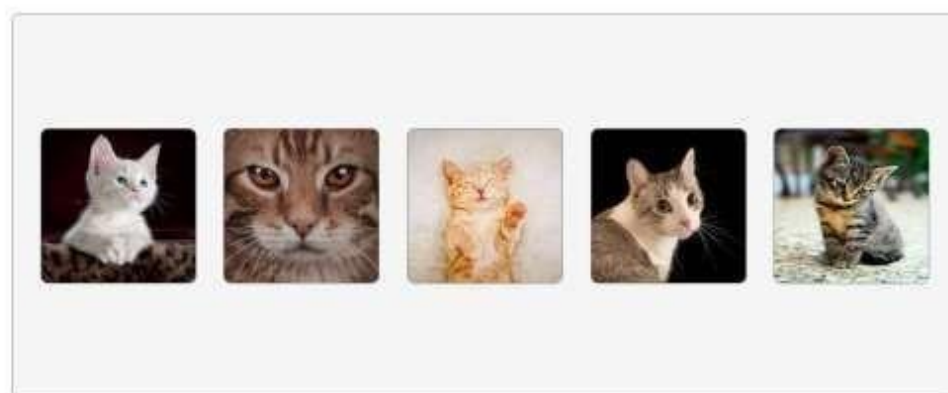
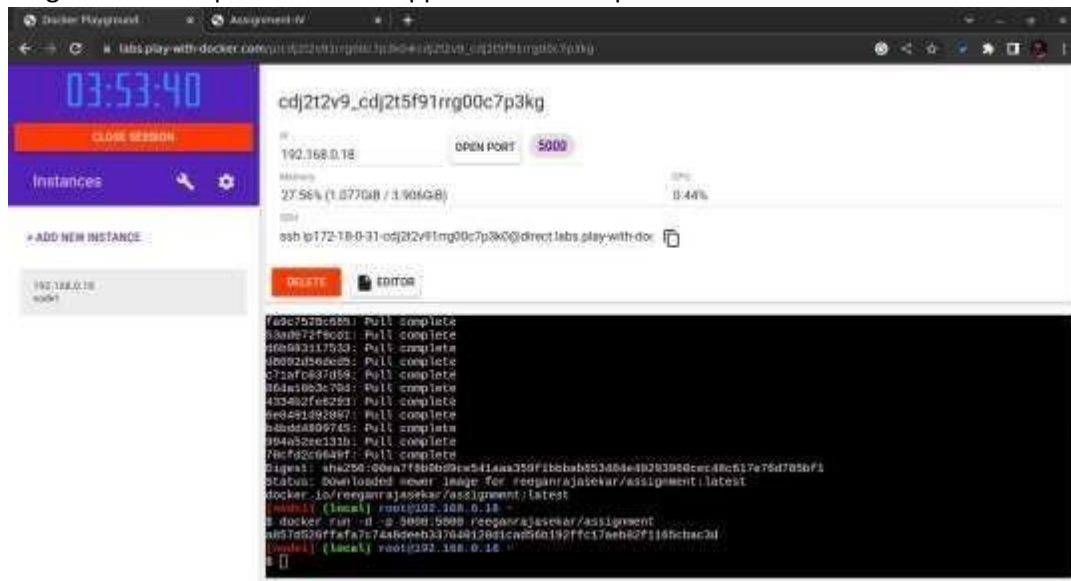


## Assignment-4

### 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

Repositories

Images

Trash

Settings

Namespaces

Location

Tokyo

Resource group: Fibe...

Search

Create

Name	Resource group	Repository count	Image count	Retention policy
assignment_8	Default	1	1	Retain all images
Repository		Image count		Last updated
j.k715/assignment_8/assignment_8		1		1 day ago

Items per page: 25 1-1 of 1 item 0 1 of 1 page

Workloads > Pods

Workloads

Drain Jobs

Daemon Sets

Deployments

Jobs

Pods

Replica Sets

Replication Controllers

Stateful Sets

Service

Ingresses

Ingress Classes

Services

Config and Storage

Config Maps

CPU Usage

Memory Usage

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
assignment4-55cd49c756-57m9n	Show all	Show all	10.144.194.84	Running	0	0.000	10.000	17 minutes ago
assignment4-55cd49c756-5m2b1	Show all	Show all	10.144.194.84	Running	0	0.000	10.000	17 minutes ago
assignment4-55cd49c756-4v38f	Show all	Show all	10.144.194.84	Running	0	0.000	10.000	17 minutes ago

Workloads

Workloads

Drain Jobs

Daemon Sets

Deployments

Jobs

Pods

Replica Sets

Replication Controllers

Stateful Sets

Service

Ingresses

Ingress Classes

Services

Config and Storage

Config Maps

Workload Status

Running: 0

Deployments

Running: 0

Pods

assignment

Normal

Expires in 30 days

Add tags

Help

Subnet: azurerm-subnet-1

Actions

Overview

Worker nodes

Worker pods

DevOps

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 [cluster backup](#).

Node count

1 of 1

Normal

Details

Pod count

0 of 0

Normal

Details

System status

Normal

Docs

System alerts

Unknown

Docs

Details

Cluster ID

af92413e90b18ac1122g

Location

134.7\_154J

Subscription

Global

Version

Master 0.1

Created

15/11/2022, 14:14

Resource group

Default

Single-availability-zone

Enable