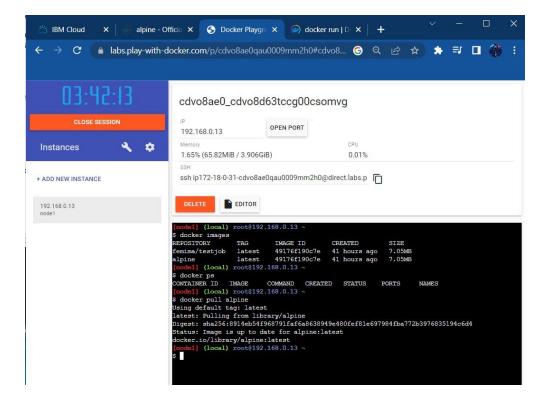
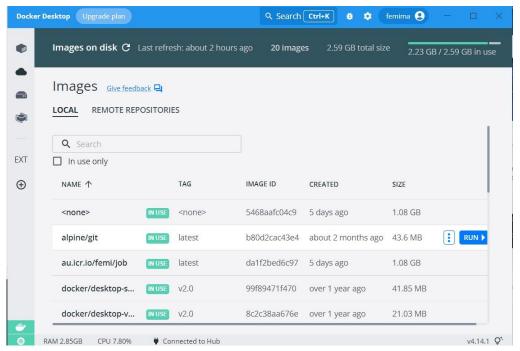
ASSIGNMENT 4

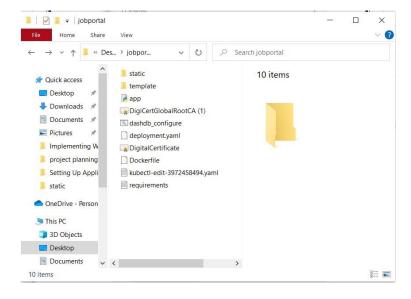
Date	20 November 2022
Student Name	Femima Shelly. A. T.
Roll No	962219104053
Maximum Marks	2 Marks

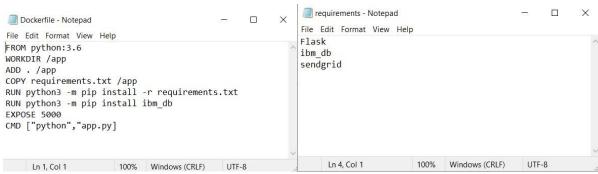
1) Pull an image from docker hub and run it in docker playground

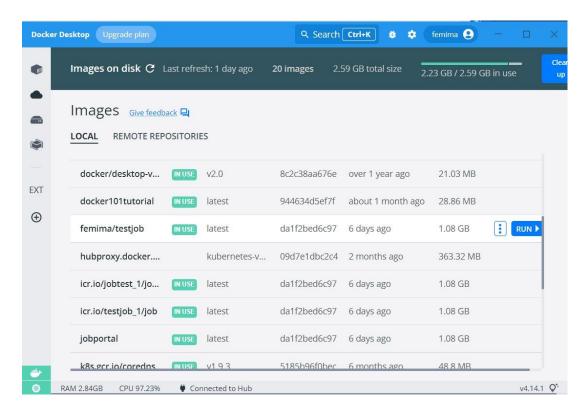




2) Create a docker file for the jobportal application and deploy it in Docker desktop application

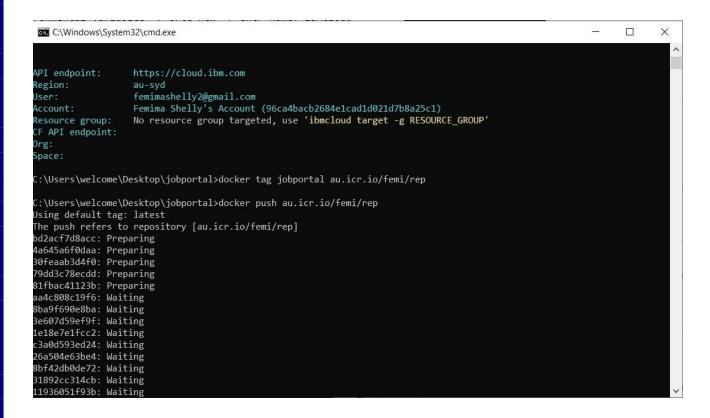


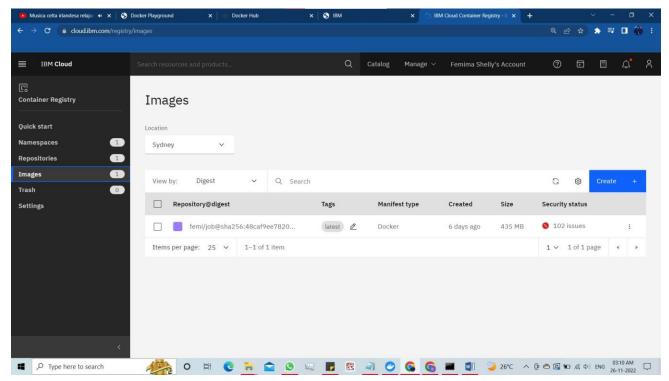




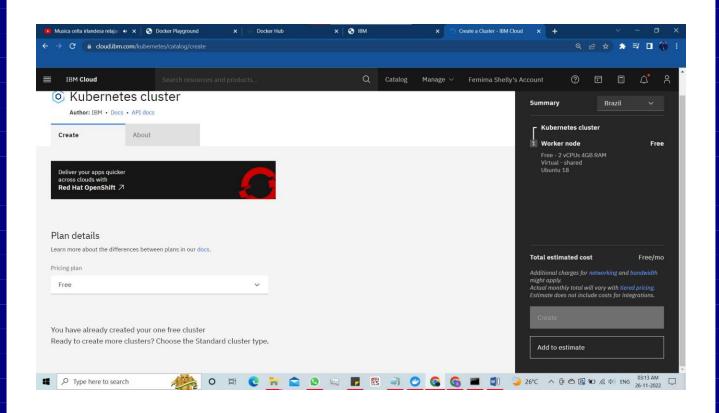
3) Create a IBM container registry and deploy helloworld app or jobportal app

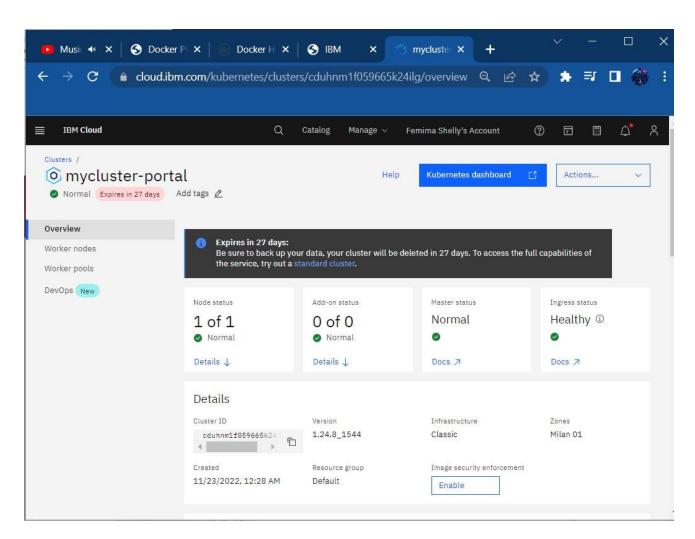
```
Command Prompt
                                                                                                                                    ×
C:\Users\welcome>ibmcloud plugin install container-registry
Looking up 'container-registry' from repository 'IBM Cloud'...
Plug-in 'container-registry[cr] 1.0.2' found in repository 'IBM Cloud'
Plug-in 'container-registry 1.0.2' was already installed. Do you want to update it with 'container-registry[cr] 1.0.2' o
======] 100.00% 2s
Installing binary...
 lug-in 'container-registry 1.0.2' was successfully installed into C:\Users\welcome\.bluemix\plugins\container-registry
 Use 'ibmcloud plugin show container-registry' to show its details.
 :\Users\welcome>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: au-syd
Email> femimashelly2@gmail.com
Password>
Authenticating...
Targeted account Femima Shelly's Account (96ca4bacb2684e1cad1d021d7b8a25c1)
API endpoint:
                      https://cloud.ibm.com
Region:
                      au-syd
                      femimashelly2@gmail.com
 Jser:
                      Femima Shelly's Account (96ca4bacb2684e1cad1d021d7b8a25c1)
                      No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
 Resource group:
 F API endpoint:
 rg:
  :\Users\welcome>
```

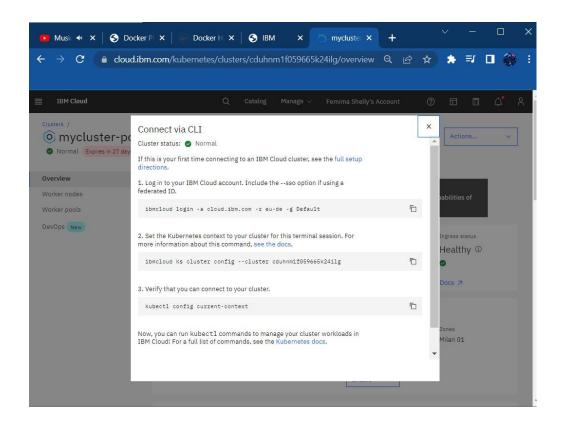


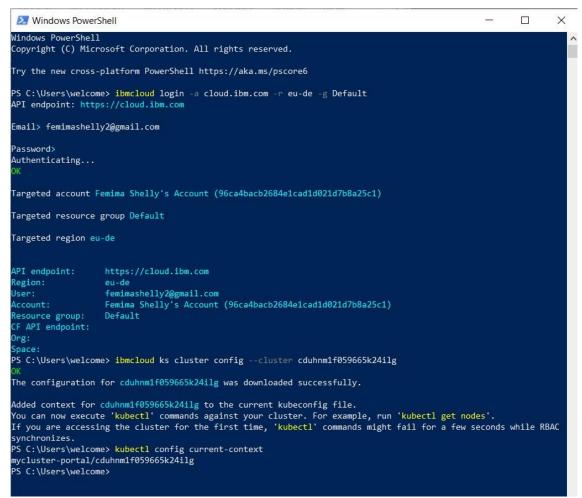


4) Create a kuberentes cluster in IBM cloud and deploy helloworld image or jobportal image and expose the same app to run in node port









```
"kubectl <command> --help" for more information about a given command.
Use "kubectl commands --neip for more information about a given command.

Use "kubectl options" for a list of global command-line options (applies to all commands).

PS C:\Users\welcome> kubectl get nodes

NAME STATUS ROLES AGE VERSION

10.144.216.198 Ready <none> 3d2h v1.24.8+IKS

PS C:\Users\welcome> kubectl get pod
 No resources found in default namespace.
PS C:\Users\welcome> kubectl get services
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S)
kubernetes ClusterIP 172.21.0.1 <none> 443/TCP
 PS C:\Users\welcome> kubectl create deployment femima-depl --image=femima deployment.apps/femima-depl created
 PS C:\Users\welcome> <mark>kubectl</mark> get replicaset
NAME DESIRED CURRENT READY AGE
femima-depl-7b997dcb45 1 1 0 22s
PS C:\Users\welcome> <mark>kubectl</mark> get pods
NAME READY
 NAME READY
femima-depl-7b997dcb45-szmlm 0/1
                                                               STATUS
                                                                                        RESTARTS
                                                                                                         AGE
                                                               ErrImagePull
PS C:\Users\welcome> kubectl get pods
NAME READY
                                                               STATUS
                                                                                        RESTARTS
                                                                                                          AGE
 femima-depl-7b997dcb45-szmlm 0/1
                                                                ErrImagePull 0
PS C:\Users\welcome> kubectl proxy
Starting to serve on 127.0.0.1:8001
  PS C:\Users\welcome> kubectl create -f deployment.yaml
 error: the path "deployment.yaml" does not exist
```

