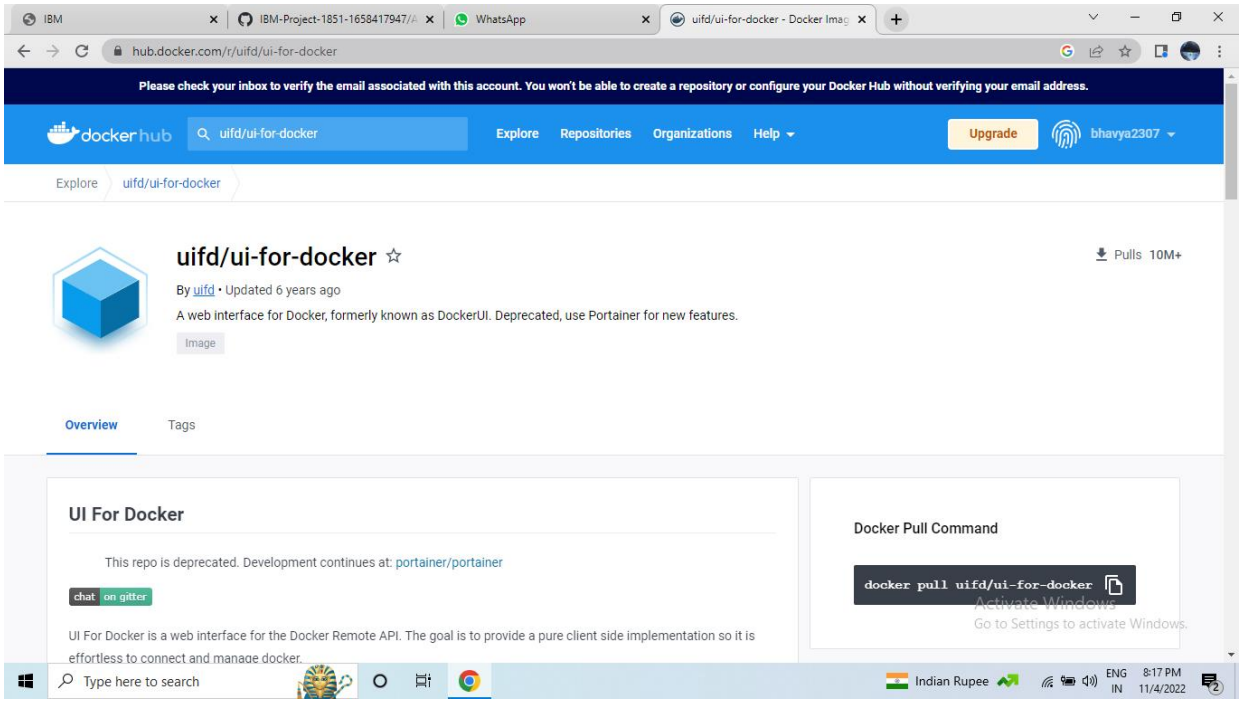
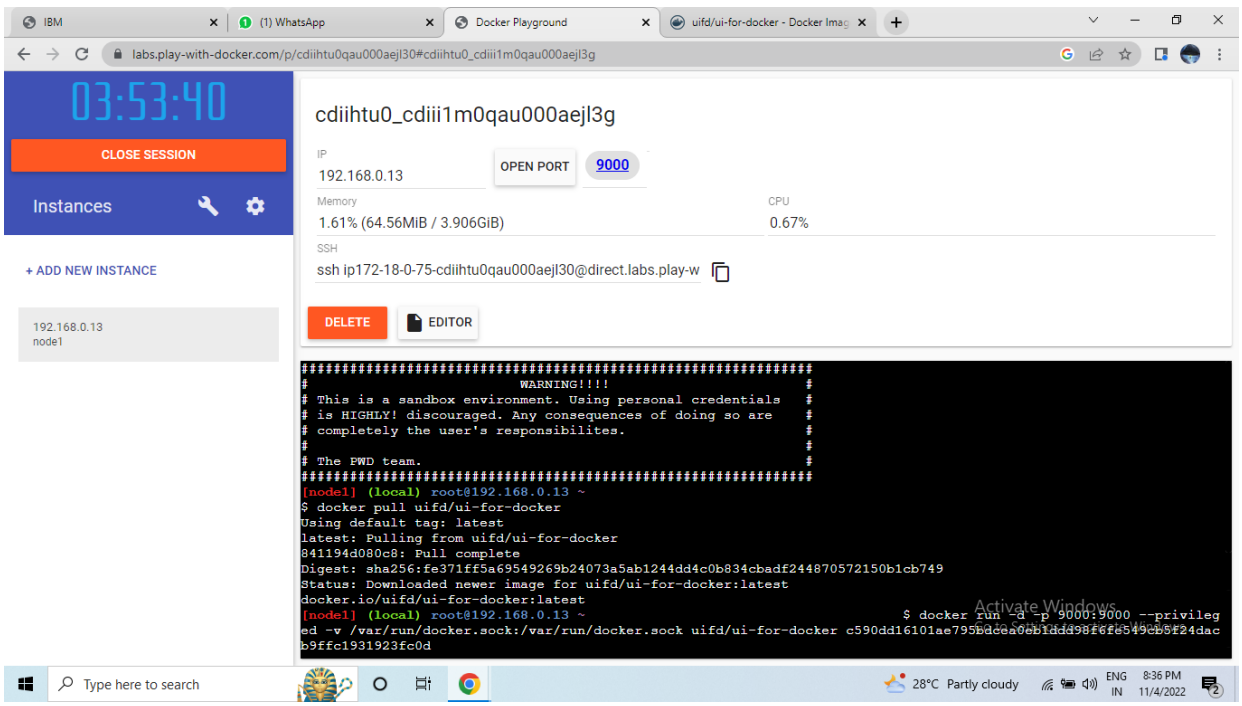
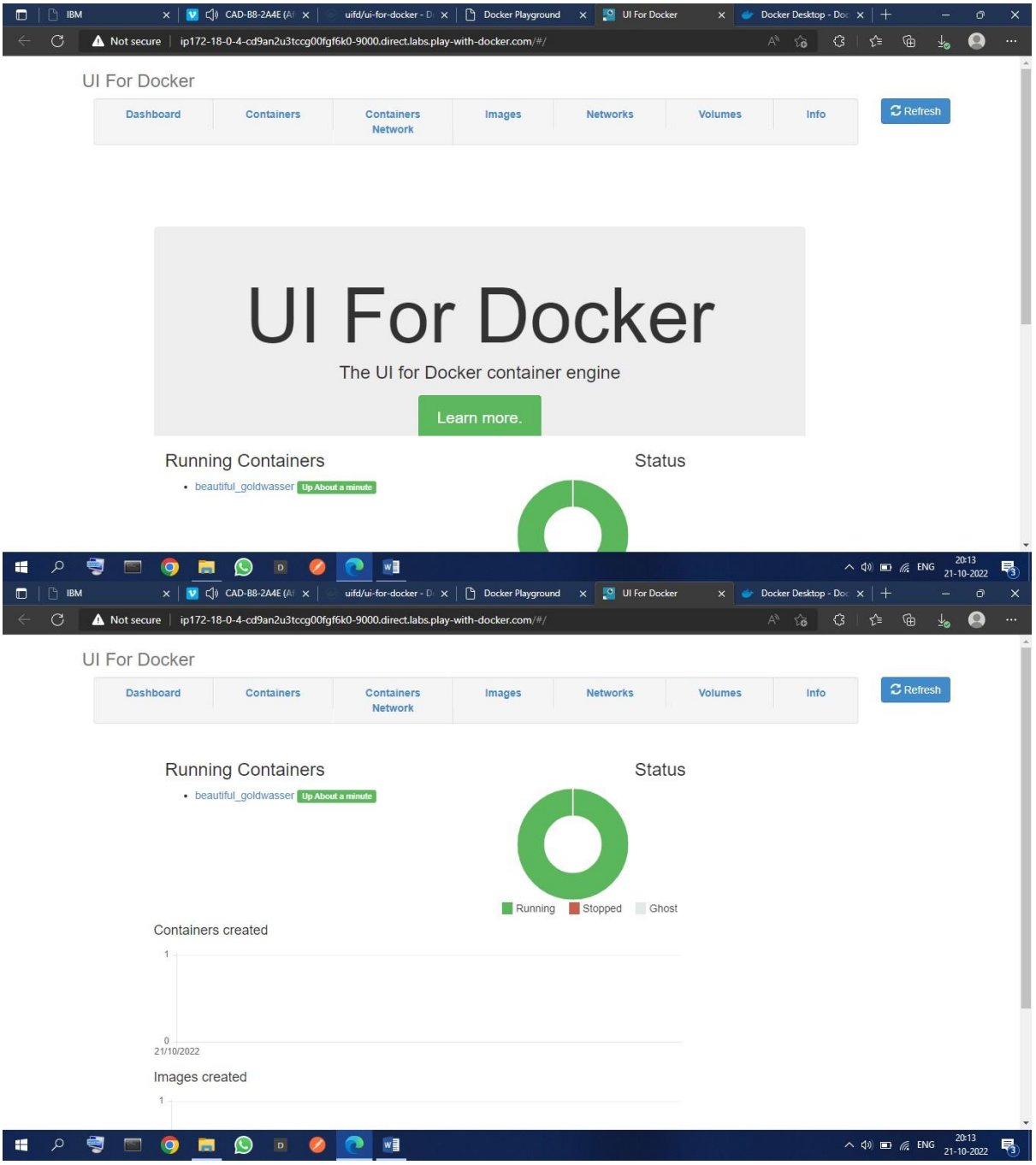
ASSIGNMENT-4
DOCKER AND KUBERNETES

DATE	06 NOVEMBER 2022
STUDENT NAME	BHAVYA SHREE G
STUDENT ROLL NUMBER	110319104006
MAXIMUM MARKS	2MARKS

1. Pull an image from docker hub and run it in docker Playground:






IBM
CAD-B8-2A4E (A
uifd/ui-for-docker - D
Docker Playground
UI For Docker
Docker Desktop - Doc
Not secure
ip172-18-0-4-cd9an2u3tccg00fgf6k0-9000.direct.labs.play-with-docker.com/#/
UI For Docker
Dashboard
Containers
Containers Network
Images
Networks
Volumes
Info
Refresh
UI For Docker
The UI for Docker container engine
Learn more.
Running Containers
beautiful_goldwasser
Up About a minute
Status
ENG
20:13
21-10-2022

IBM
CAD-B8-2A4E (A
uifd/ui-for-docker - D
Docker Playground
UI For Docker
Docker Desktop - Doc
Not secure
ip172-18-0-4-cd9an2u3tccg00fgf6k0-9000.direct.labs.play-with-docker.com/#/
UI For Docker
Dashboard
Containers
Containers Network
Images
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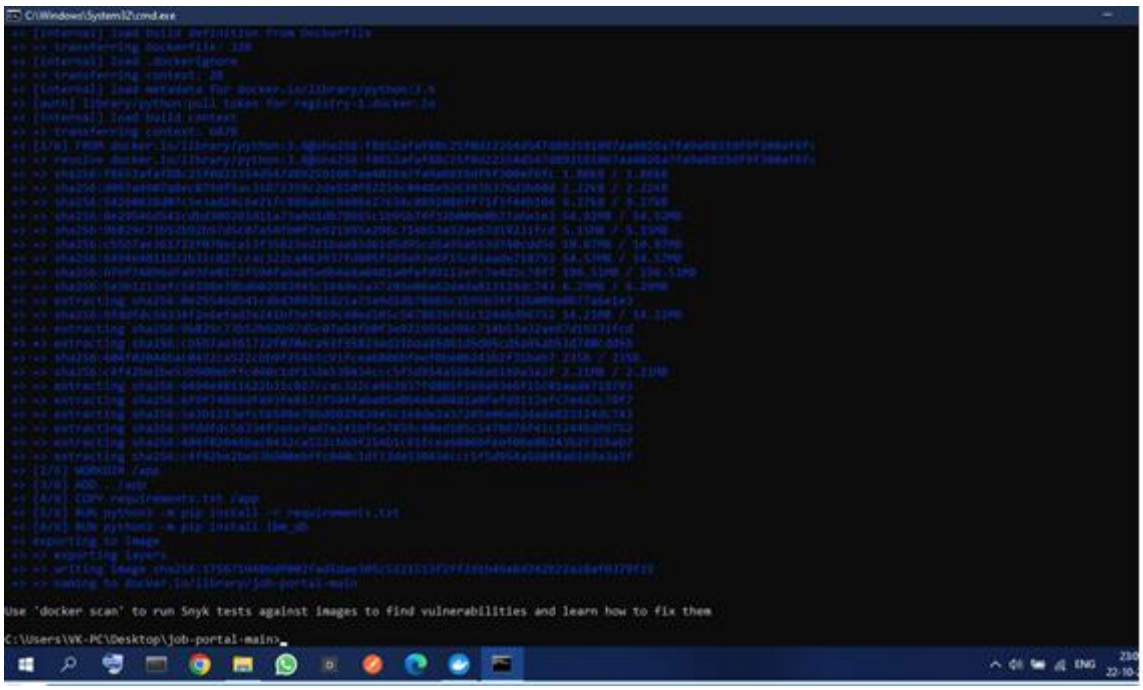
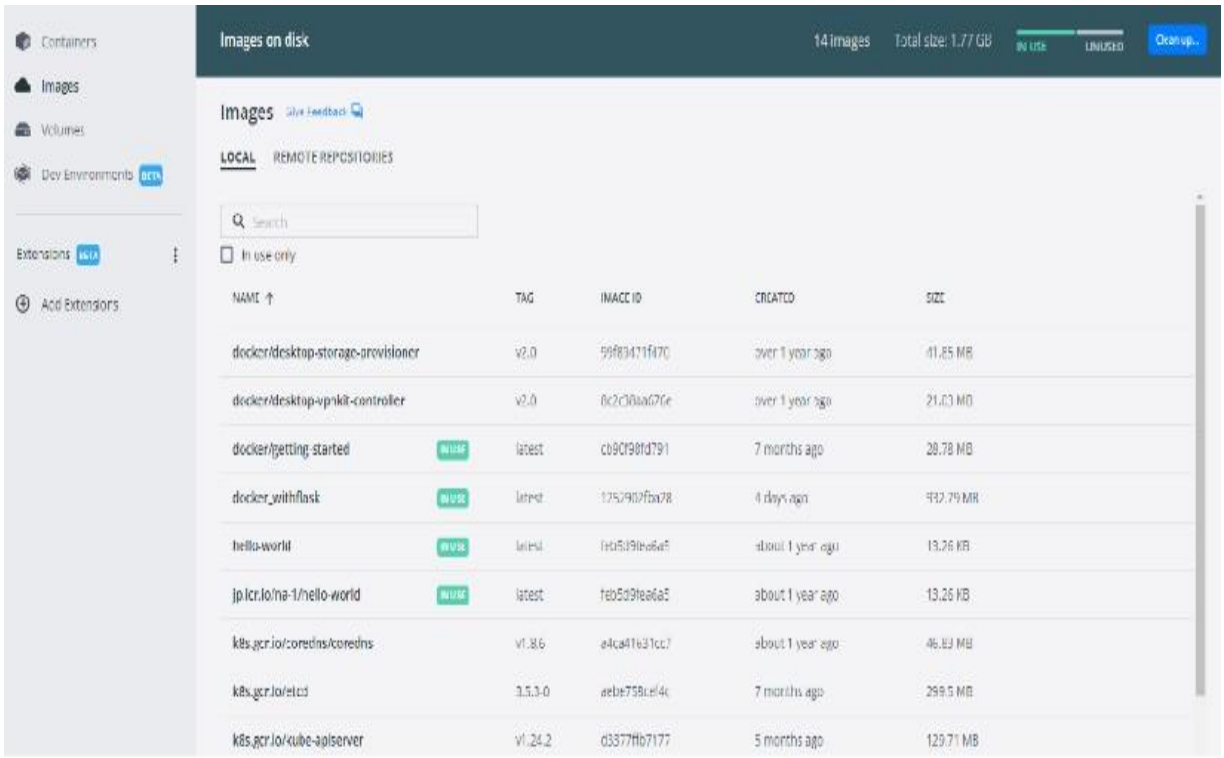
Volumes
Info
Refresh
Running Containers
beautiful_goldwasser
Up About a minute
Status
Running
Stopped
Ghost
Containers created
1
0
21/10/2022
Images created
1
ENG
20:13
21-10-2022

2.Create a docker file for the job portal application and deploy it in Docker desktop application:

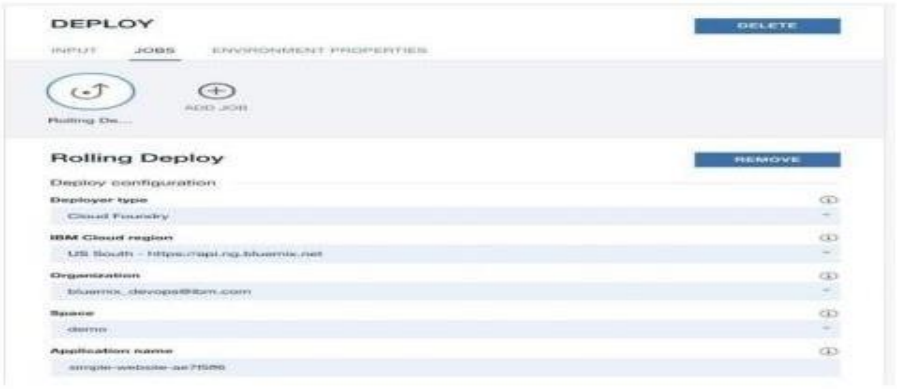




3.Create a IBM container registry and deploy Helloworld app or jobportalapp.Solution :

```
<html>
<body>
Hello, IBM Cloud
</body>
</html>
```

```
application
s:
buildpack: https://github.com/cloudfoundry/staticfile-
        buildpack.githost: simple-website-${random}
        name: simple-website-
        ${random}memory: 64M
            stack: cflinuxfs2
```




```
{
  "ServiceId": "com.ibm.cloudoe.orion.client.deploy",
  "Params": {
    "Target": {
      "Url": "https://api.ng.bluemix.net",
      "Org": "bluemix_devops@ibm.com",
      "Space": "demo"
    },
    "Name": "simple-website-ae7f5ff6",
    "Instrumentation": {}
  },
  "Path": "manifest.yml",
  "Type": "Cloud Foundry"
}
```

4.Create a Kubernetes cluster in IBM cloud and deploy Helloworld image or jobportal imageand also expose the same app to run in nodeport: