

Assignment -4

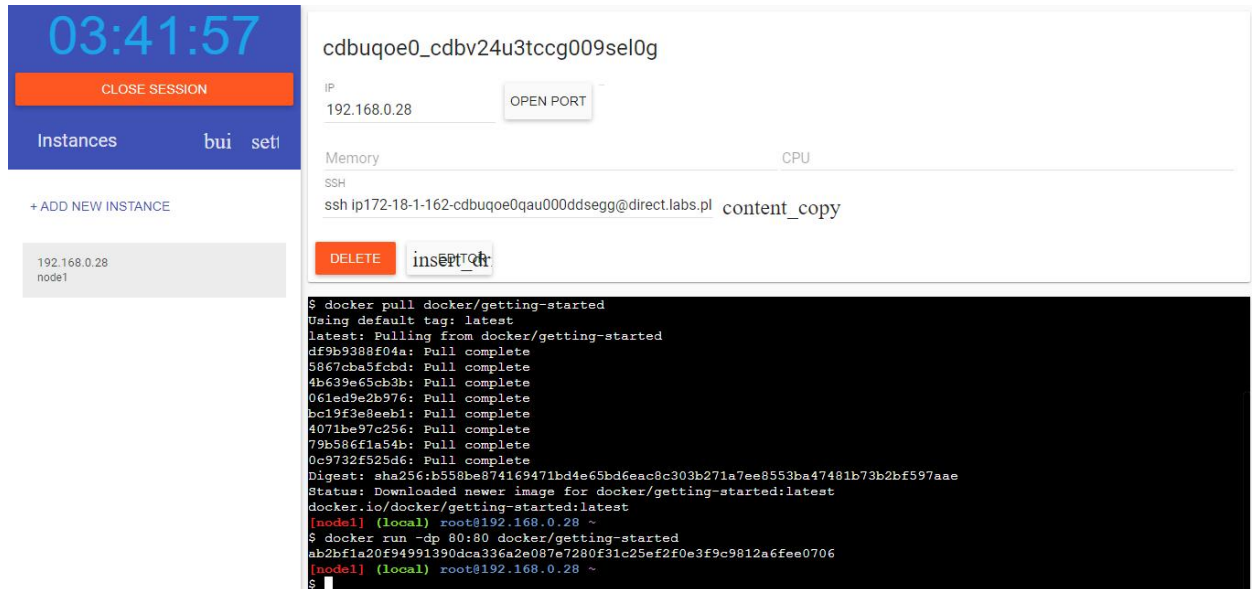
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Student Roll Number	811519104085
Maximum Marks	2 Marks

1.Pull an Image from docker hub and run it in docker playground.

The screenshot shows the Docker Playground interface. On the left, there's a sidebar with a clock showing 02:44:09, a 'CLOSE SESSION' button, and an 'Instances' section with a list of instances. The main area displays details for a container named 'cdqghpv9_cdqhb3f91rrg00acd340'. It shows the IP address 192.168.0.28, an 'OPEN PORT' button set to 9000, and resource usage: 5.50% (219.8MiB / 3.906GiB) memory and 0.26% CPU. Below this, there's an SSH command: 'ssh ip172-18-0-58-cdqghpv91rrg00acd0qg@direct.labs.play'. A 'DELETE' button and an 'EDITOR' icon are also present. The bottom section shows a terminal output for pulling the 'latest' image from 'library/docker' and running it. The output indicates that the image was pulled successfully and the container is running. The terminal also shows the command 'docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock ui-for-docker' and the resulting container ID 'e5f1470c9140298d4c83c839c96ffa617f61578b64ceec69b4902240dff27b68'.

The screenshot shows the 'UI For Docker' interface. At the top, there's a navigation bar with tabs for 'Dashboard', 'Containers', 'Containers Network', 'Images', 'Networks', 'Volumes', and 'Info'. The 'Images' tab is selected. Below the navigation bar, there's a 'Refresh' button. The main area is titled 'Images:' and contains a table with columns: 'Select', 'Id', 'Repository', 'VirtualSize', and 'Created'. There are two images listed: one with ID 'sha256:adc767c402...' and Repository 'docker:latest', and another with ID 'sha256:965940f98f...' and Repository 'ui-for-docker:latest'. At the bottom, there's a status bar showing 'Docker API Version: 1.41 UI Version: v0.11.0' and a 'UI For Docker' button.

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



03:41:57

CLOSE SESSION

Instances bui set1

+ ADD NEW INSTANCE

192.168.0.28
node1

cdbuqoe0_cdbv24u3tccg009se10g

IP
192.168.0.28 OPEN PORT

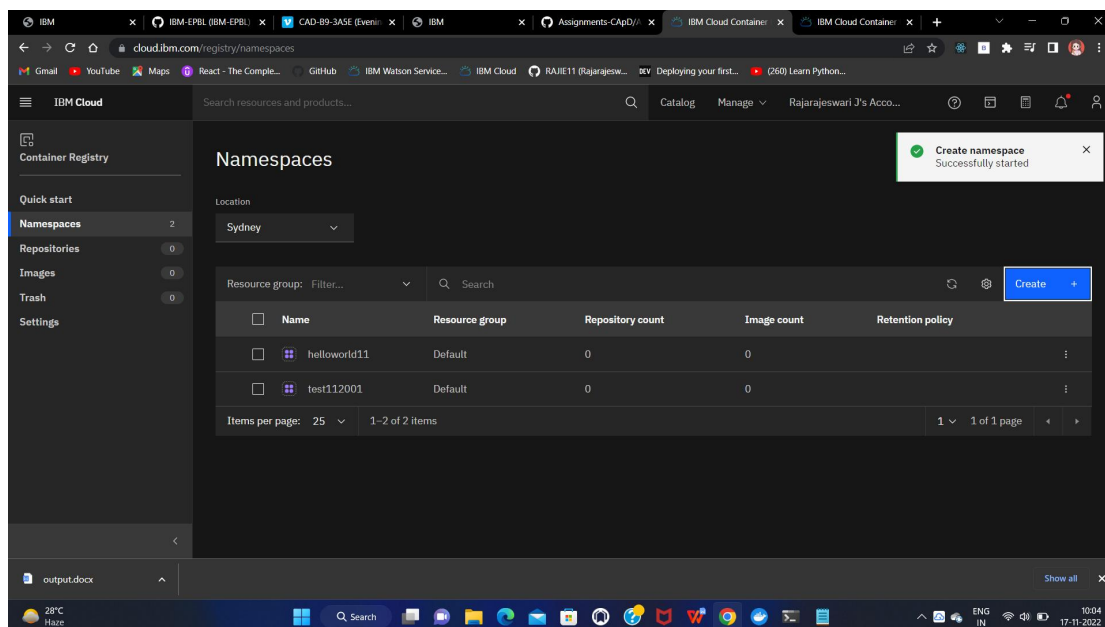
Memory CPU

SSH
ssh ip172-18-1-162-cdbuqoe0qau000ddsegg@direct.labs.pl content_copy

DELETE insert

```
$ docker pull docker/getting-started
Using default tag: latest
latest: Pulling from docker/getting-started
df9b9388f04a: Pull complete
5867c8a5fcbd: Pull complete
4b639e65cb3b: Pull complete
061ed9e2b976: Pull complete
bc19f3e8eeb1: Pull complete
4071be97c256: Pull complete
79b586f1a54b: Pull complete
0c9732f525d6: Pull complete
Digest: sha256:b558be874169471bd4e65bd6eac8c303b271a7ee8553ba47481b73b2bf597aae
Status: Downloaded newer image for docker/getting-started:latest
docker.io/docker/getting-started:latest
[root@1] (local) root@192.168.0.28 ~
$ docker run -dp 80:80 docker/getting-started
ab2bf1a20f94981390dca336a2e087e7280f31c25ef2f0e3f9c9812a6fee0706
[root@1] (local) root@192.168.0.28 ~
$
```

3. Create a IBM container registry and deploy helloworld app or jobportalapp.



IBM Cloud

Search resources and products...

Container Registry

Quick start

Namespaces 2

Repositories 0

Images 0

Trash 0

Settings

Namespaces

Location: Sydney

Resource group: Filter... Search

Create +

Name	Resource group	Repository count	Image count	Retention policy
helloworld11	Default	0	0	
test112001	Default	0	0	

Items per page: 25 1-2 of 2 items 1 1 of 1 page

output.docx Show all

28°C
Haze

10:04
17-11-2022

5. Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.

