

Assignment -4

Docker and Kubernetes

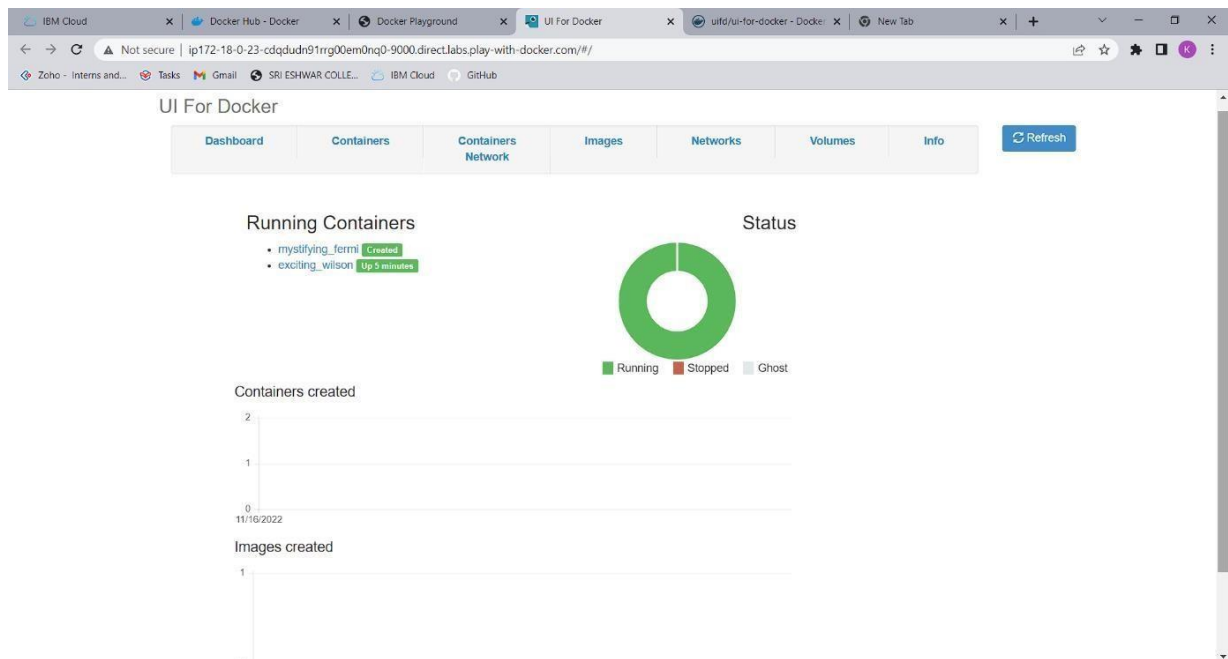
Assignment Date	30 October 2022
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Student Roll Number	7228191040109
Maximum Marks	2 Marks

Question-1:

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

The screenshot shows the Docker Playground interface in a web browser. The browser tabs include 'IBM Cloud', 'Docker Hub - Docker', and 'Docker Playground'. The address bar shows the URL 'labs.play-with-docker.com/p/cdqdu9n91rrg00em0nq0#cdqdu9n9_cdqe3t791rrg00accnhg'. The interface has a dark blue sidebar on the left with a digital clock showing '03:41:04', a 'CLOSE SESSION' button, and an 'Instances' section with a '+ ADD NEW INSTANCE' button. Below the instances, there is a list showing '192.168.0.8' and 'node1'. The main area displays the details of the selected container 'cdqdu9n9_cdqe3t791rrg00accnhg'. It shows the IP address '192.168.0.8', a memory usage of '1.61% (64.45MiB / 3.906GiB)', and a CPU usage of '1.10%'. There is an 'OPEN PORT' button set to '9000'. The SSH command is 'ssh ip172-18-0-23-cdqdu9n91rrg00em0nq0@direct.labs.pla'. Below this are 'DELETE' and 'EDITOR' buttons. The terminal window shows a warning message and the execution of the following commands:

```
#####  
# WARNING!!!!  
# This is a sandbox environment. Using personal credentials  
# is HIGHLY discouraged. Any consequences of doing so are  
# completely the user's responsibilities.  
#  
# The FWD team.  
#####  
[node1] (local) root@192.168.0.8 ~  
$ docker pull uifd/ui-for-docker  
Using default tag: latest  
latest: Pulling from uifd/ui-for-docker      841194d080c8: Pull complete  
Digest: sha256:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749  
Status: Downloaded newer image for uifd/ui-for-docker:latest  
docker.io/uifd/ui-for-docker:latest  
[node1] (local) root@192.168.0.8 ~  
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker  
593df53328bdc2945e0d562be25a8edcd8e0b0f23474f994287921c2a5c558c  
[node1] (local) root@192.168.0.8 ~  
$
```



Question 2:

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

