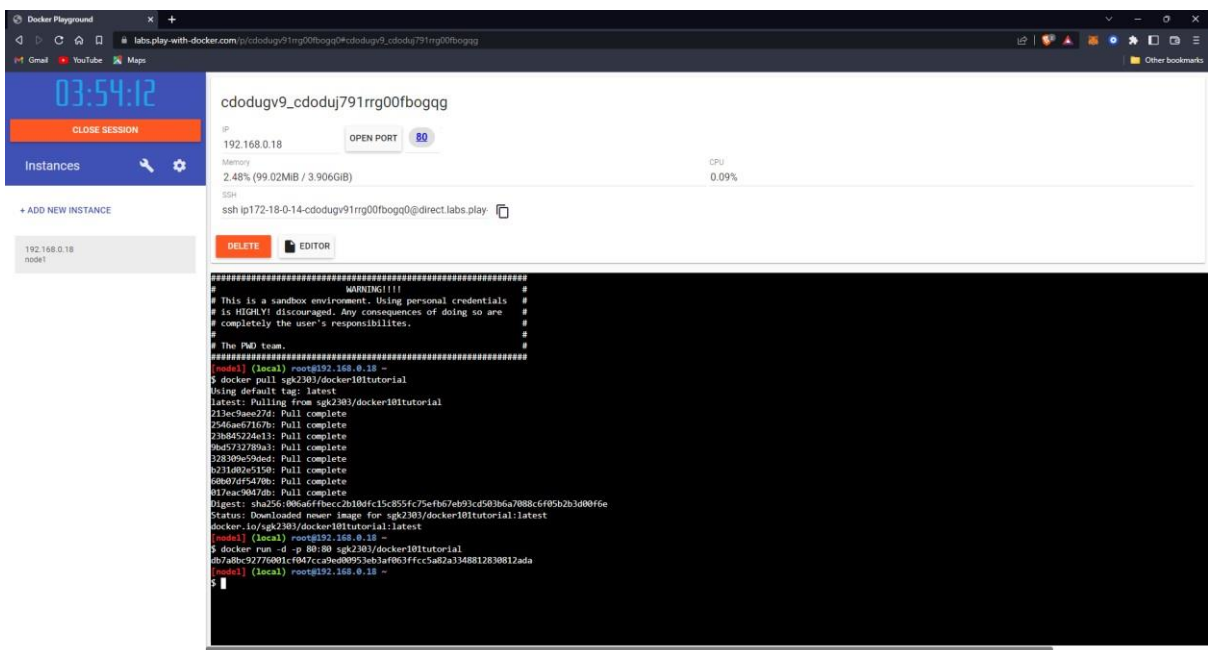
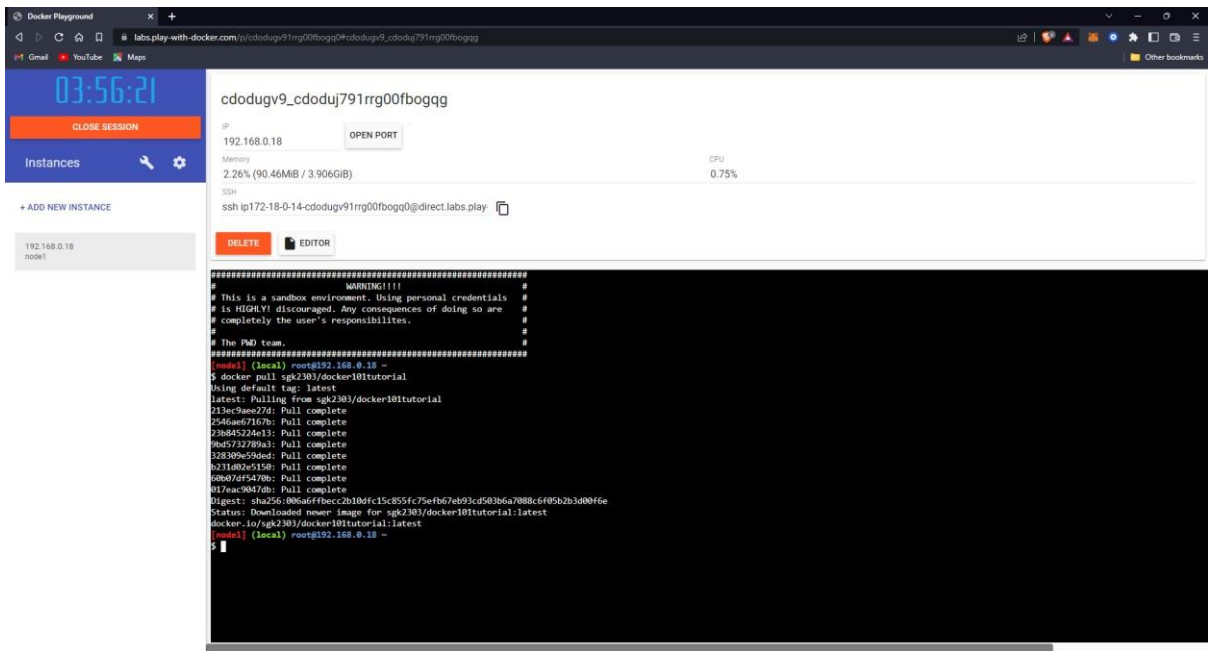


Assignment 4

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 03:53:54, a 'CLOSE SESSION' button, and an 'Instances' section. The main area displays a terminal window with the following content:

```
cdodugv9_cdoduj791rrg00fbogqg
IP: 192.168.0.18
Memory: 2.48% (99.31MiB / 3.906GiB)
SSH: ssh ip172-18-0-14-cdodugv91rrg00fbogq0@direct.labs.play

[WARNING!!!!]
This is a sandbox environment. Using personal credentials
is HIGHLY discouraged. Any consequences of doing so are
completely the user's responsibilities.
The PWD team.

[rode1] (local) root@192.168.0.18 ~
$ docker pull sgk2303/docker101tutorial
Using default tag: latest
latest: Pulling from sgk2303/docker101tutorial
213e3ae27d: Pull complete
2d4ae2167b: Pull complete
23b84524e13: Pull complete
9e4d573780a3: Pull complete
30830e29de: Pull complete
b7310e2e5150: Pull complete
68607df5470b: Pull complete
0170ec98470b: Pull complete
Digest: sha256:006a6ffbecc2b10dfc15c855fc75efb67eb93cd503b6a7088c6f85b2b3d00f6e
Status: Downloaded newer image for sgk2303/docker101tutorial:latest
docker.io/sgk2303/docker101tutorial:latest
[rode1] (local) root@192.168.0.18 ~
$ docker run -d -p 80:80 sgk2303/docker101tutorial
6b7a8bc5277f001cf047cca9ed00953eb3af063ffcc5a82a3348812830812ada
[rode1] (local) root@192.168.0.18 ~
```

The screenshot shows the Docker 'Getting Started' tutorial page. The page has a blue header with the Docker logo and 'Getting Started' text. The main content area is dark gray and contains the following sections:

Getting Started

The command you just ran

Congratulations! You have started the container for this tutorial! Let's first explain the command that you just ran. In case you forgot, here's the command:

```
docker run -d -p 80:80 docker/getting-started
```

You'll notice a few flags being used. Here's some more info on them:

- `-d` - run the container in detached mode (in the background)
- `-p 80:80` - map port 80 of the host to port 80 in the container
- `docker/getting-started` - the image to use

Pro tip

You can combine single character flags to shorten the full command. As an example, the command above could be written as:

```
docker run -dp 80:80 docker/getting-started
```

The Docker Dashboard

Before going too far, we want to highlight the Docker Dashboard, which gives you a quick view of the containers running on your machine. It gives you quick access to container logs, lets you get a shell inside the container, and lets you easily manage container lifecycle (stop, remove, etc.).

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

```

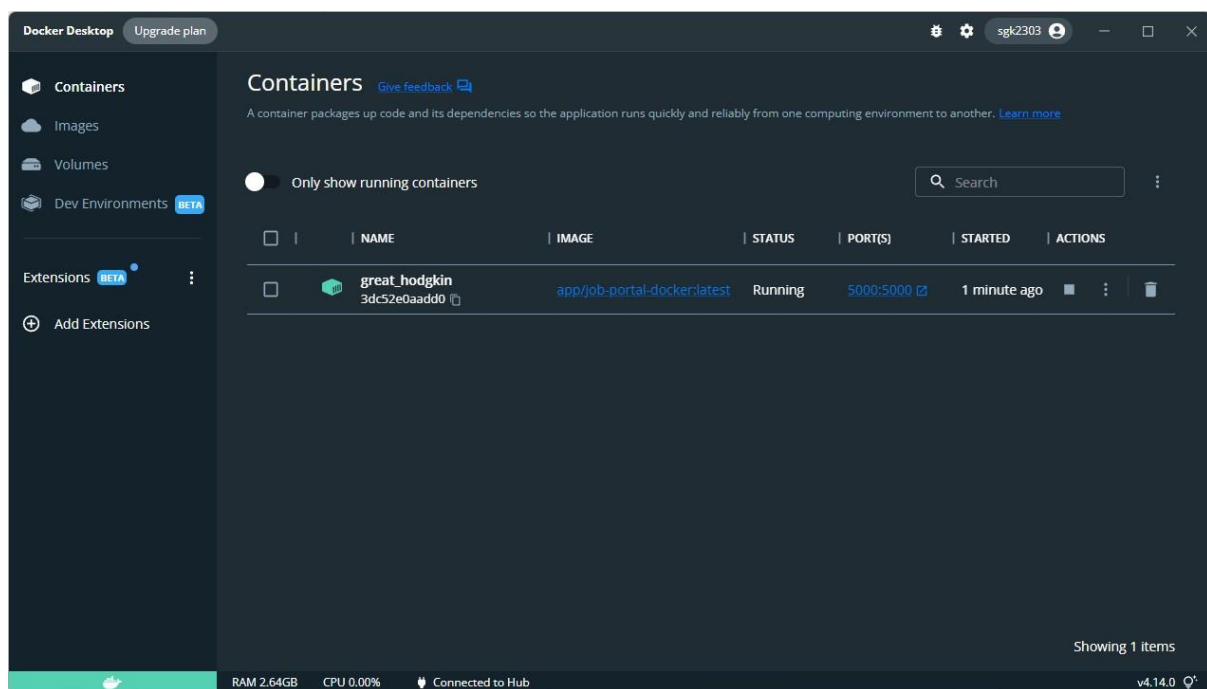
C:\Windows\System32\cmd.exe
-> => naming to docker.io/app/job-portal 0.0s

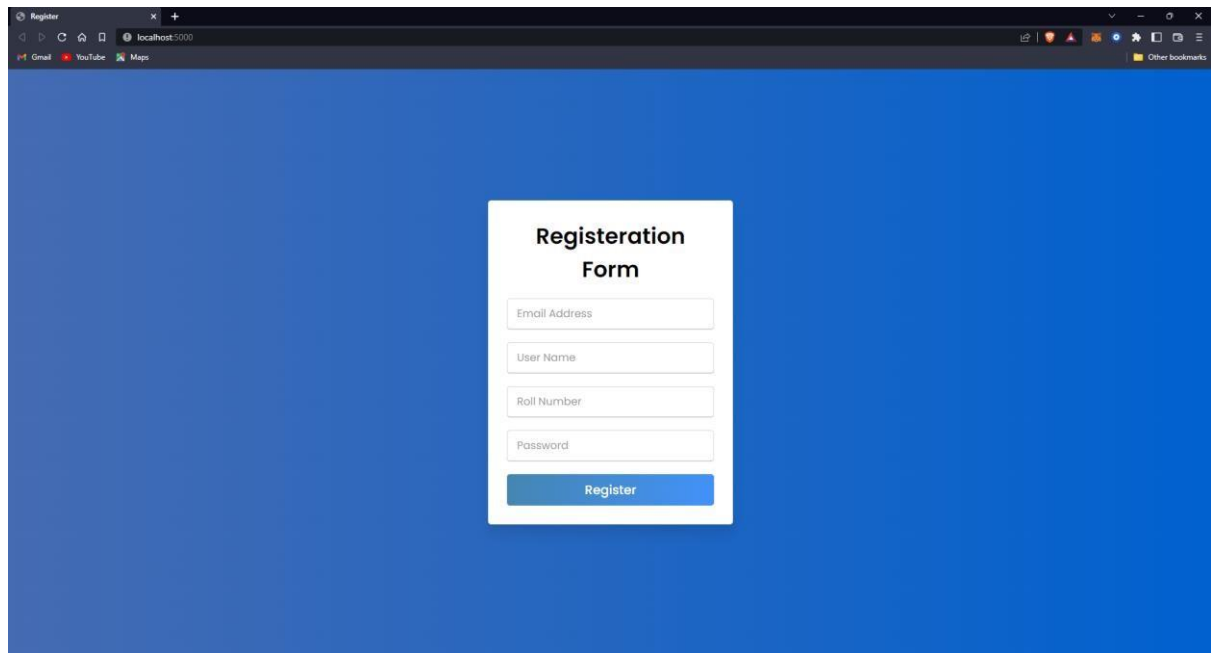
E:\KCT\SEM 7\IBM\IBM-Project-9445-1659007266\Assignments\Gokul Kavın S\Assignment 2>docker build -t app/job-portal-docker .
[+] Building 56.3s (11/11) FINISHED
-> [internal] load build definition from Dockerfile 0.0s
-> => transferring dockerfile: 228B 0.0s
-> [internal] load .dockerignore 0.0s
-> => transferring context: 2B 0.0s
-> [internal] load metadata for docker.io/library/python:latest 2.6s
-> [auth] library/python:pull token for registry-1.docker.io 0.0s
-> CACHED [1/5] FROM docker.io/library/python@sha256:b941b836b18734f4992a168b579b7c16ff4c3b544782953eeab3a590a73 0.0s
-> [internal] load build context 0.0s
-> => transferring context: 346.65kB 0.0s
-> [2/5] WORKDIR /app-jobportal-docker 0.0s
-> [3/5] COPY requirements.txt requirements.txt 0.0s
-> [4/5] RUN pip3 install -r requirements.txt 52.6s
-> [5/5] COPY . 0.0s
-> exporting to image 0.9s
-> => exporting layers 0.9s
-> => writing image sha256:09acc5844663daaf998481a09be496de5ae2b69ebffe80763e504562daa14c98 0.0s
-> => naming to docker.io/app/job-portal-docker 0.0s

E:\KCT\SEM 7\IBM\IBM-Project-9445-1659007266\Assignments\Gokul Kavın S\Assignment 2>docker images
REPOSITORY          TAG       IMAGE ID       CREATED        SIZE
app/job-portal-docker  latest   09acc5844663   18 seconds ago 1.12GB

E:\KCT\SEM 7\IBM\IBM-Project-9445-1659007266\Assignments\Gokul Kavın S\Assignment 2>docker run -d -p 5000:5000 app/job-portal-docker
3dc52e0aadd0b264b07a01810fb00aede5c44f174e7e92f0278cf615b7385d5e

```





The image shows a web browser window with a single tab titled 'Register'. The address bar displays 'localhost:5000'. The browser's bookmark bar includes 'Gmail', 'YouTube', and 'Maps'. The main content area has a solid blue background. Centered on this background is a white rectangular registration form. The form is titled 'Registration Form' in bold black text. It contains four input fields: 'Email Address', 'User Name', 'Roll Number', and 'Password'. Below these fields is a blue button with the text 'Register' in white. The browser's status bar at the bottom shows 'Other bookmarks'.

Register

localhost:5000

Gmail YouTube Maps

Other bookmarks

Registration Form

Email Address

User Name

Roll Number

Password

Register