

Assignment - 4



Assignment Date	9 September 2022
Student Name	S.kaavya
Student Roll Number	111519205017
Maximum Marks	2 Marks

Question 1:

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

03:58:07

CLOSE SESSION

Instances  

+ ADD NEW INSTANCE


192.168.0.8
node1

cdrn12e3_cdrn1eu0qau000ahcrqg

IP
192.168.0.8 OPEN PORT 80

Memory
2.56% (102.5MiB / 3.906GiB)

CPU
0.62%

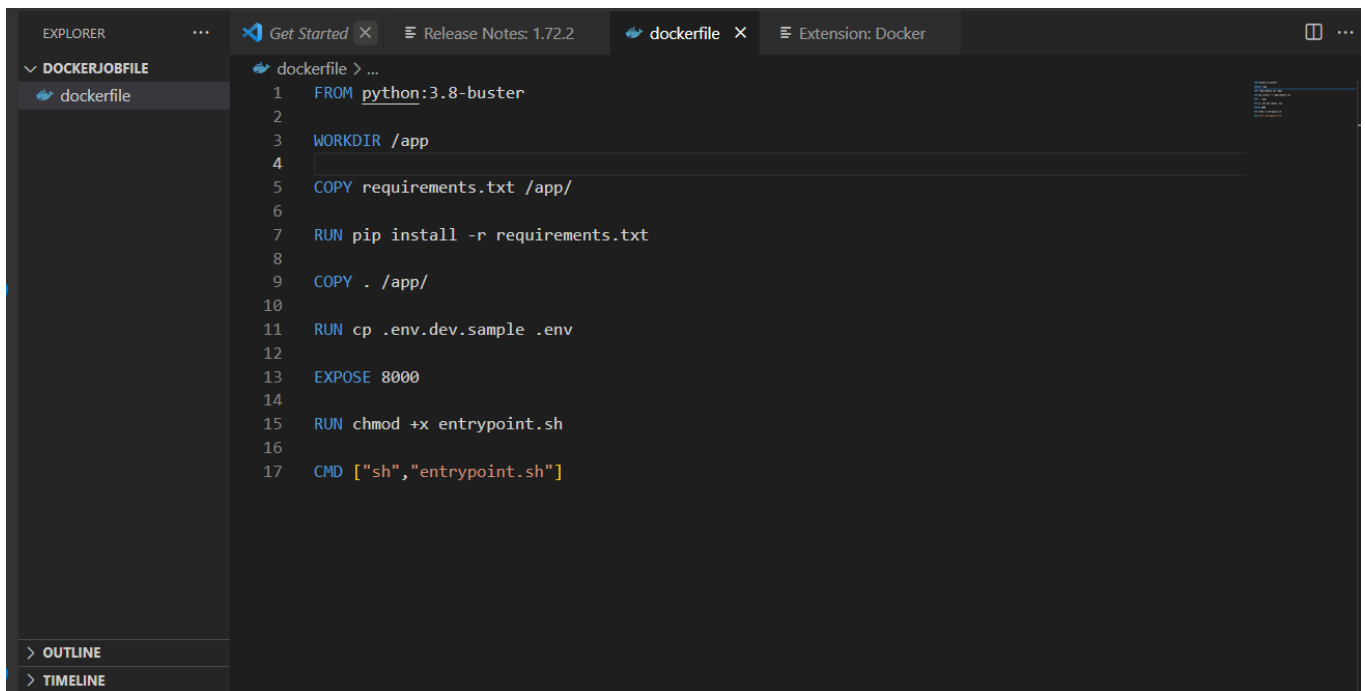
SSH
ssh ip172-18-0-46-cdrn12e3tccg009i27r0@direct.labs.play-

DELETE EDITOR

```
[node1] (local) root@192.168.0.8 ~
$ docker run -d -p 80:80 docker/getting-started
Unable to find image 'docker/getting-started:latest' locally
latest: Pulling from docker/getting-started
df9b9388f04a: Pull complete
5867cba5fcbd: 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
952163e321b6ad57afdd7d7b5f4609d8fcb9220b3b5d9165fc13af58206f8d06
[node1] (local) root@192.168.0.8 ~
$
```

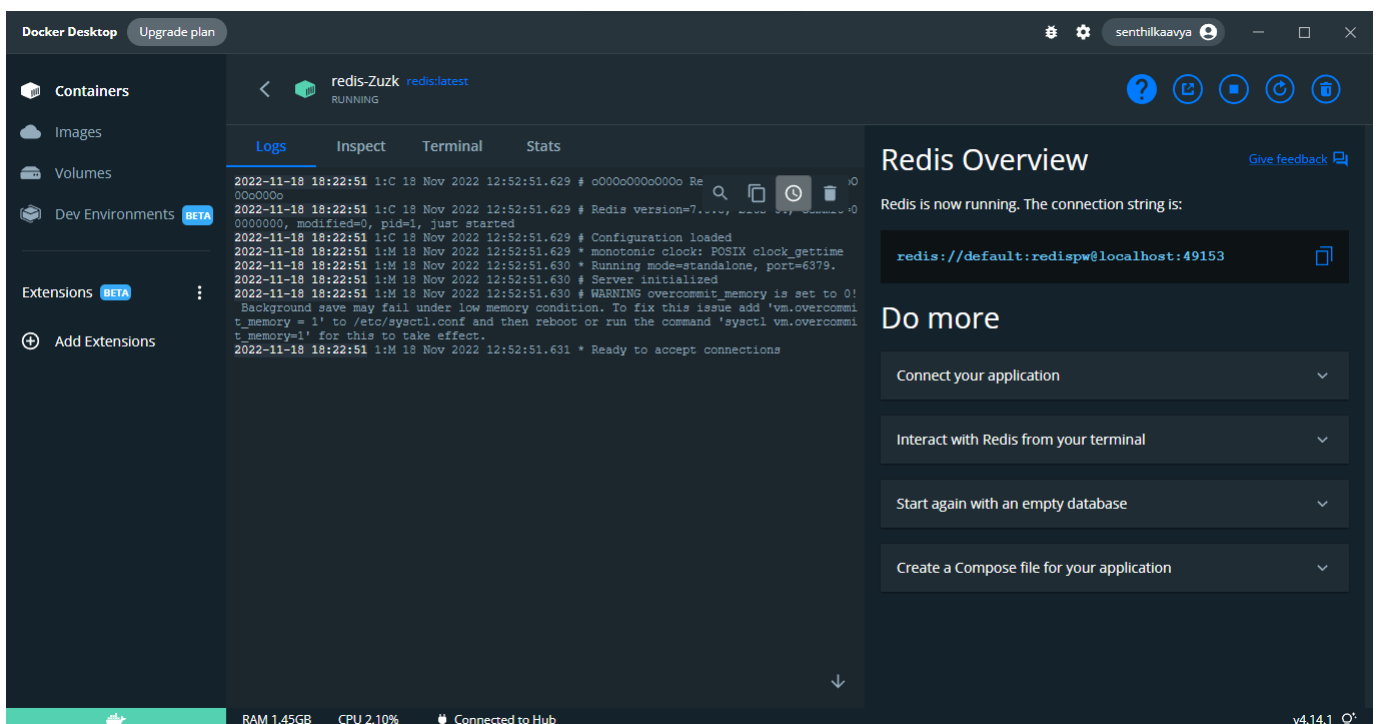
Question 2:

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



The screenshot shows the Visual Studio Code editor with a Dockerfile open. The Dockerfile contains the following instructions:

```
1 FROM python:3.8-buster
2
3 WORKDIR /app
4
5 COPY requirements.txt /app/
6
7 RUN pip install -r requirements.txt
8
9 COPY . /app/
10
11 RUN cp .env.dev.sample .env
12
13 EXPOSE 8000
14
15 RUN chmod +x entrypoint.sh
16
17 CMD ["sh", "entrypoint.sh"]
```



Docker Desktop

Upgrade plan

senthilkaavya

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

Containers

Only show running containers

3358aea34e8c

	NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>	<div>redis-Zuzk</div> <div>fe5013e52472</div>	redis:latest	Running	49153:6379	9 minutes ago	<div></div> <div></div> <div></div>
<input type="checkbox"/>	<div>infallible_visvesvaraya</div> <div>da8b49e21d01</div>	redis:latest	Running		2 minutes ago	<div></div> <div></div> <div></div>

Showing 2 items

RAM 1.45GB CPU 5.70% Connected to Hub

v4.14.1

Docker Desktop

Upgrade plan

senthilkaavya

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

Images on disk

Last refresh: 2 minutes ago

1 Images

116.95 MB total size

116.95 MB / 116.95 MB in use

Clean up

Images

LOCAL

REMOTE REPOSITORIES

Search

☐ In use only

NAME	TAG	IMAGE ID	CREATED	SIZE
redis	latest	3358aea34e8c	3 days ago	116.95 MB

RAM 1.45GB CPU 4.38% Connected to Hub

v4.14.1

OUTPUT:

local:1234/en/search/?position=&location=Bangladesh

HOME JOBS CREATE RESUME/CV ABOUT US REGISTER LOGIN LANGUAGE

FIND A JOB YOU WILL LOVE

POSITION LOCATION

Position you are looking for Any particular location?

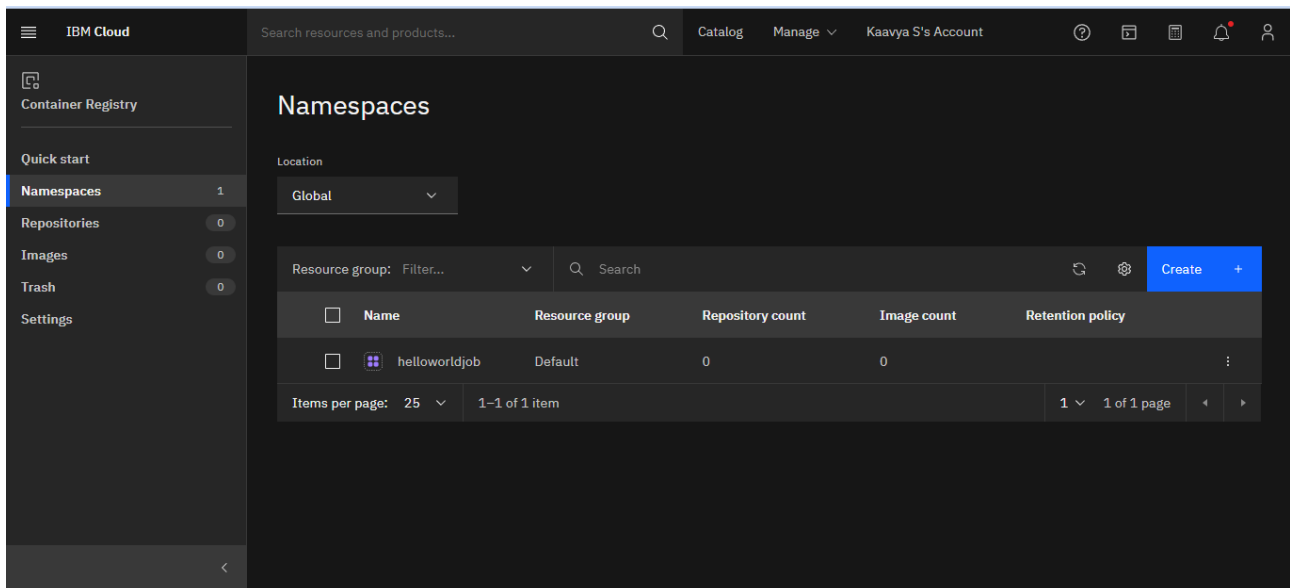
WE HAVE FOUND 10 JOBS

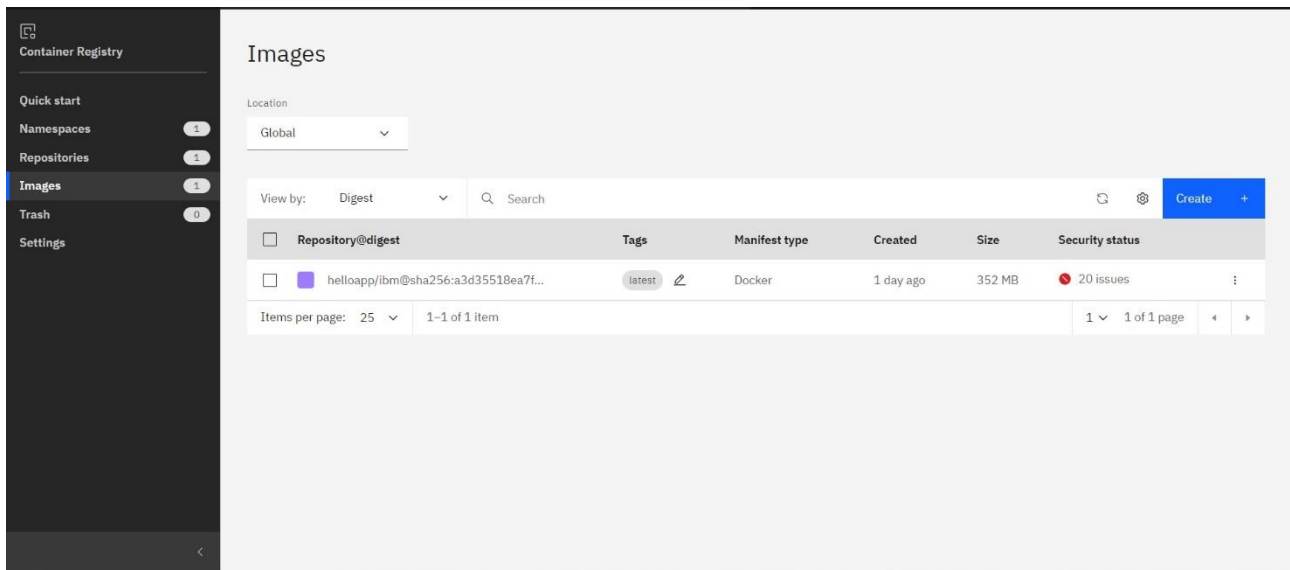
	LEARN LARAVEL WITH VUE2 ggnhfh	Dhaka, Bangladesh	Posted 3 years, 6 months
	SOFTWARE ENGINEER Reve System	Dhaka, Bangladesh	Posted 3 years, 6 months

Question 3:

Create a IBM container registry and deploy helloworld app or jobportapp.

IBM CONTAINER REGISTRY DEPLOYMENT:



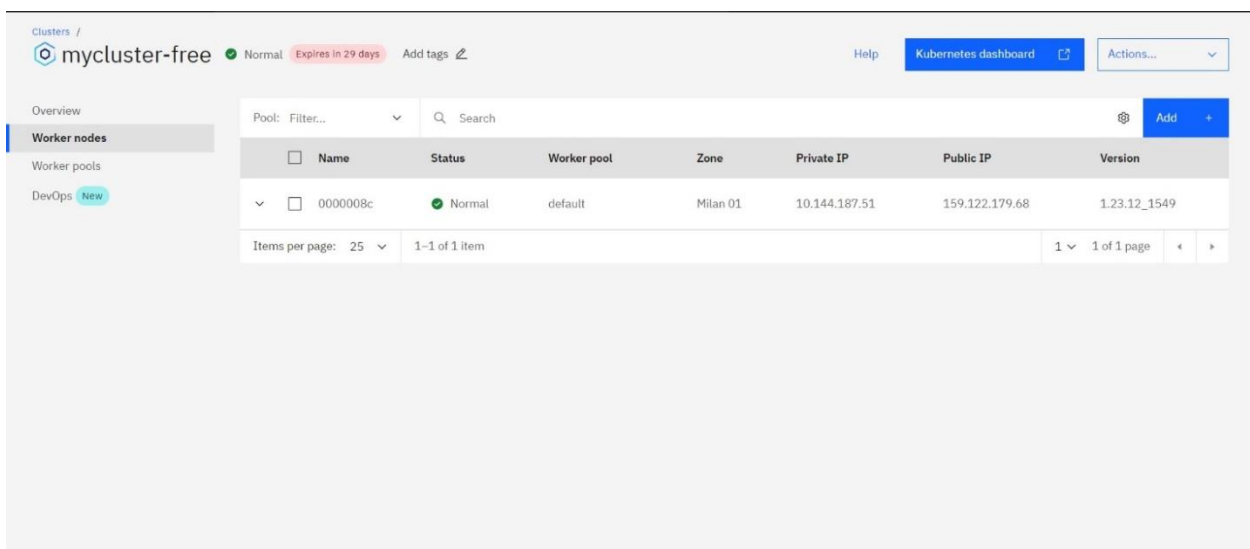


OUTPUT:

Question 4:

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

Creating kubernetes cluster in IBM cloud and exposing nodeport:



Output:

