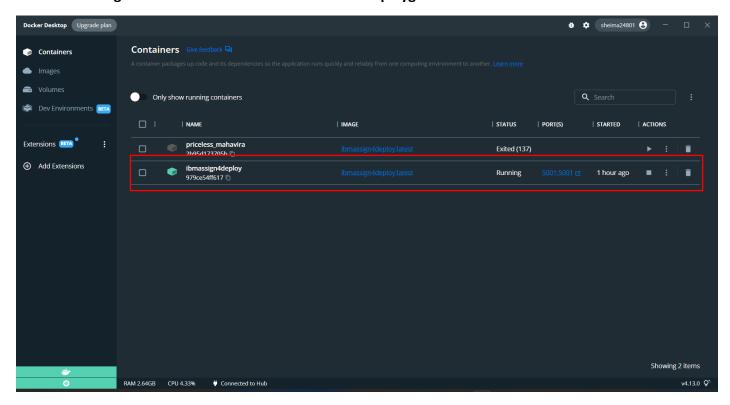
ASSIGNMENT 4

CLOUD APPLICATION DEVELOPMENT

Student Name	Sheima Latha. J
Student Roll Number	813819104090
Maximum Marks	2 Marks

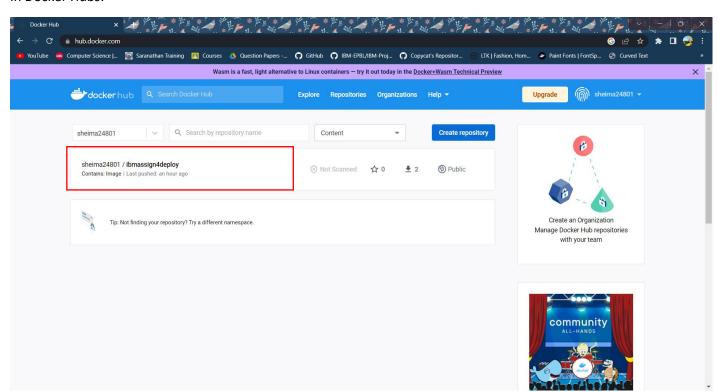
1. Pull an Image from docker hub and run it in docker playground.

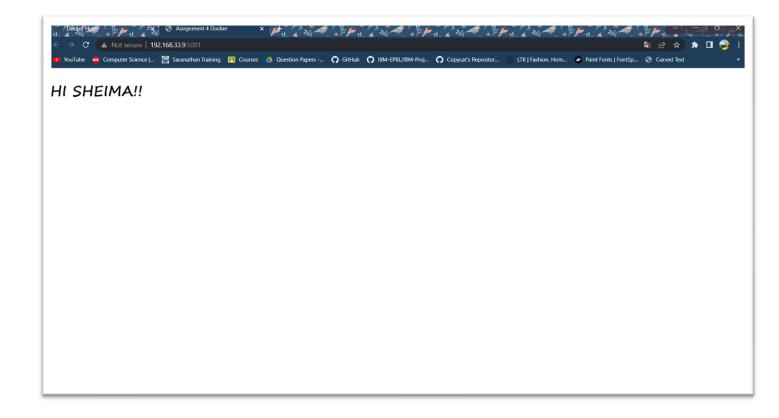


The same image is pushed to docker hub using the command: docker push sheima24801/ibmassign4deploy:latest

```
Explose [Set New | Namegame Code | Bedrator Ram | Tools VS | Window | Help | Installation | Construct | Set | Set
```

In Docker Hubs:





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

```
FROM python:3.9

COPY . /app

WORKDIR /app

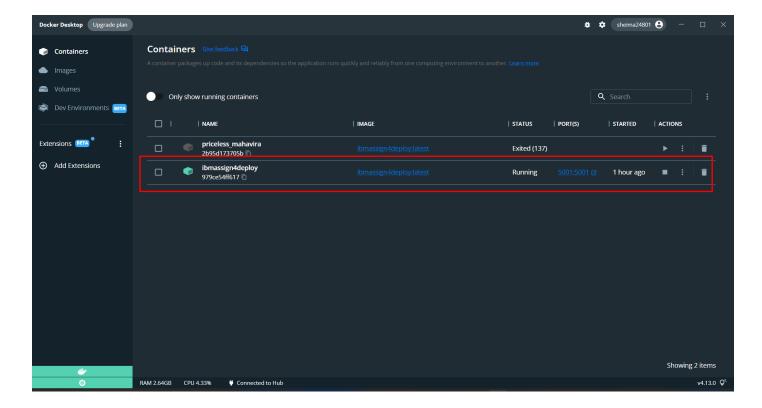
RUN pip install -r requirements.txt

EXPOSE 5001

ENTRYPOINT [ "python" ]

CMD [ "main.py" ]
```

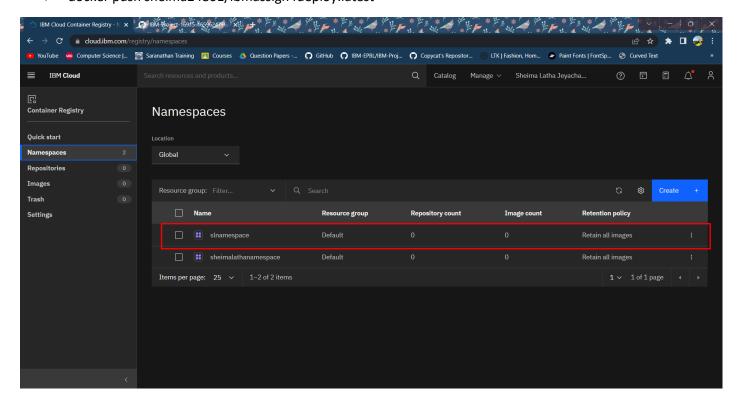
Thus, docker file created and deployed in docker desktop.



3. Create an IBM container registry and deploy hello world app.

Commands:

- docker tag ibmassign4deploy:latest sheima24801/ibmassign4deploy:latest
- docker push sheima24801/ibmassign4deploy:latest



4. Create a Kubernetes cluster in IBM cloud and deploy hello world image or job portal image and also expose the same app to run in node port.

