Name: Patel Shivam S.

Enroll no: 21162101019

Sem: 5 Batch: 51 Branch: CBA

**Sub: Microservices** 

### **Practical 12**

AIM: Create an image that sandboxes a small Flask application. The goal of this exercise is to create a Docker image which will run a Flask app.

Docker, Inc. sponsors a dedicated team that is responsible for reviewing and publishing all Official Repositories content. This team works in collaboration with upstream software maintainers, security experts, and the broader Docker community. These are not prefixed by an organization or user name. In the list of images above, the python, node, alpine and nginx images are official (base) images.

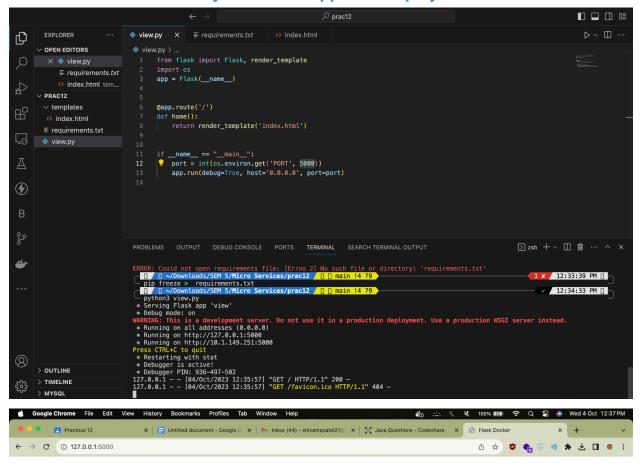
User images are images created and shared by users like you. They build on base images and add additional functionality. Typically these are formatted as user/image-name. The user value in the image name is your Docker Store user or organization name. Hence,

- 1. Create a Python Flask app that displays random data.
- 2. Write a Dockerfile.
- 3. Build the image.
- 4. Run your image.
- 5. Push your image

#### **GITHUB LINK:**

https://github.com/Shivam3783/microservice\_practicals/tree/main/prac12

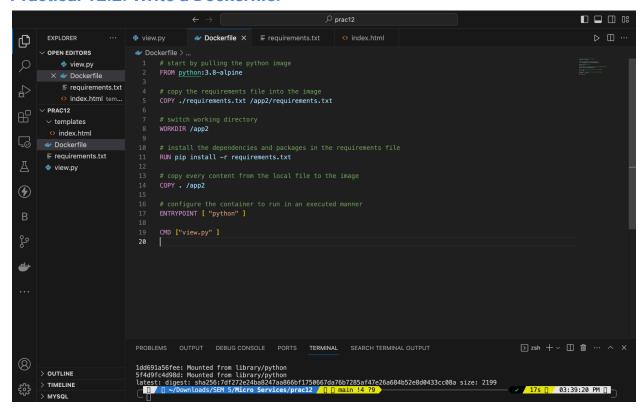
Practical 12.1: Create a Python Flask app that displays random data.



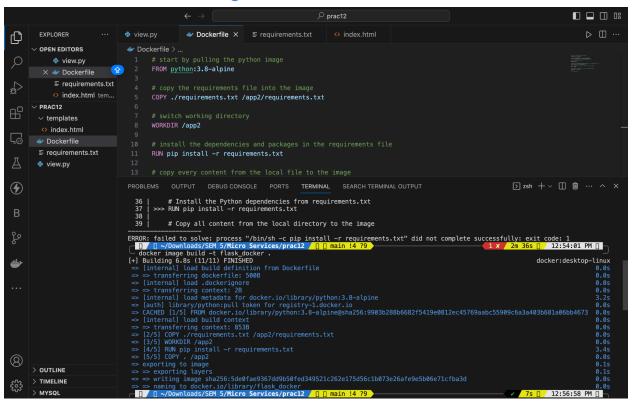
This is a Flask App containerised with Docker



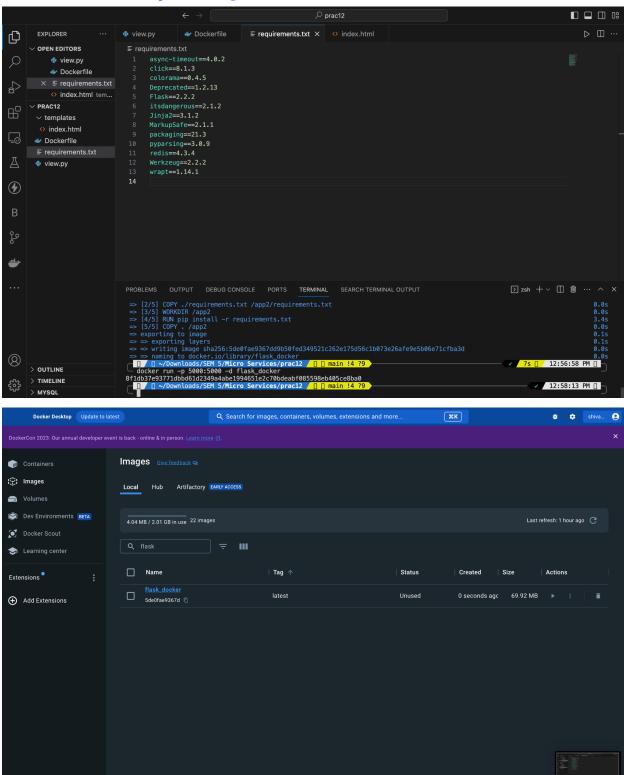
#### Practical 12.2. Write a Dockerfile.



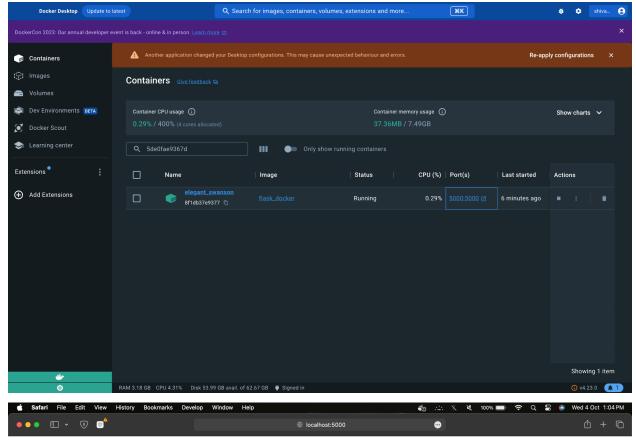
#### **Practical 12.3. Build the image.**



# Practical 12.4. Run your image.



RAM 3.14 GB CPU 5.09% Disk 53.98 GB avail. of 62.67 GB 💆 Signed in



This is a Flask App containerised with Docker



## Practical 12.5. Push your image

