Docker Assignment

[Github link: https://github.com/shubham8596/DockerAssignment]

Software/Plugins/Language Used:

- Python
- Flask Web FrameWork
- Postman
- Mysql
- Postman
- Docker

Implementation:

Step 1:

I have done all installations.

e.g. flask and its dependencies, postman

Step 2:

Create the folder Structure in that one folder contain REST API(CRUD) operations and another folder contain mysql file. In first folder i have write all configuration and business logic for REST API. In second folder i have write sql file to create database and table.

Step 3:

Write Dockerfile which contain all code and mysql.

Step 4:

Build Dockerfile:

sudo docker build -t sample.

Run Dockerfile:

sudo docker run -it -p 8080:8080 sample

Step 5:

In postman send the request -> POST,GET, PUT,DELETE

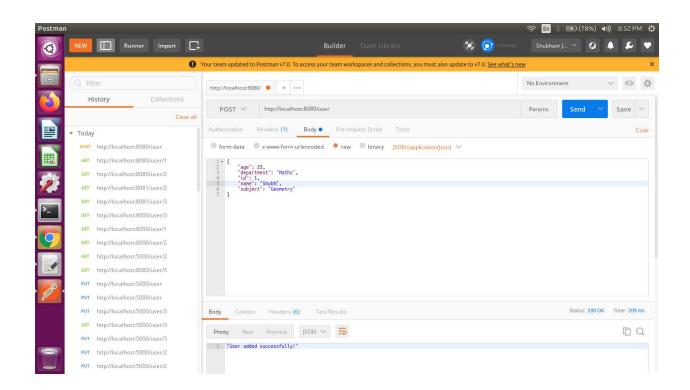
POST = Create data

GET = Read data

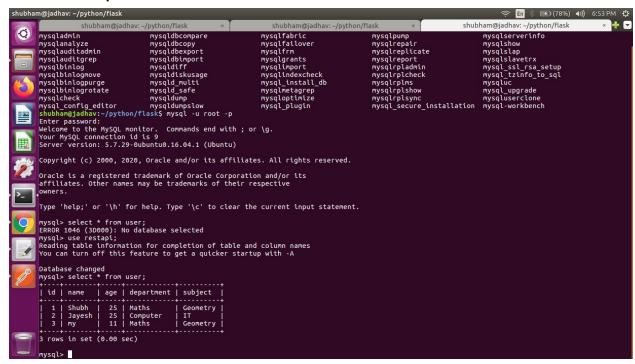
PUT = Update data

DELETE = Delete data

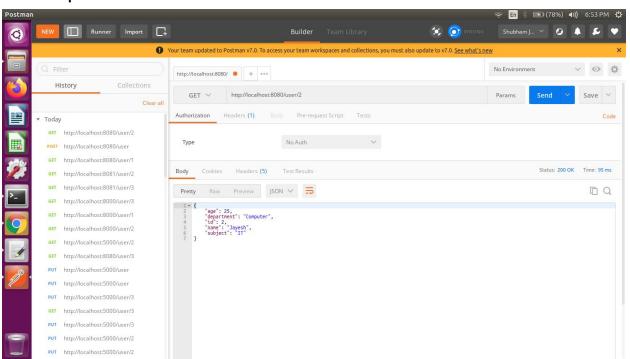
POST input:



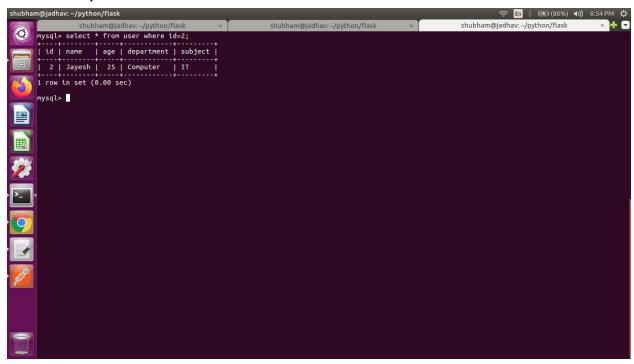
POST Output:



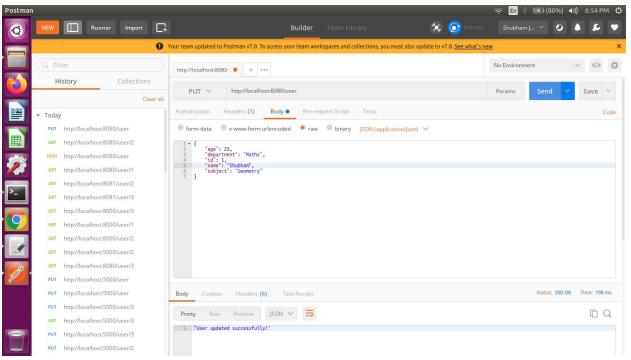
GET Input:



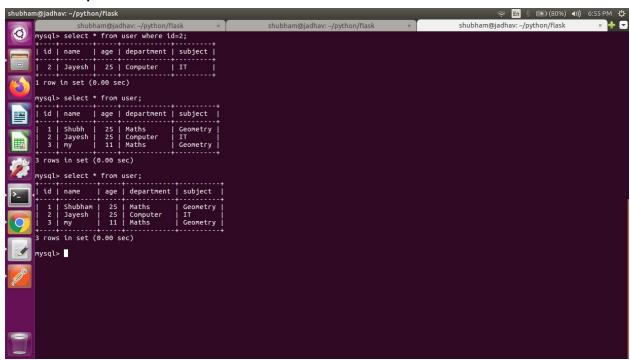
GET Output:



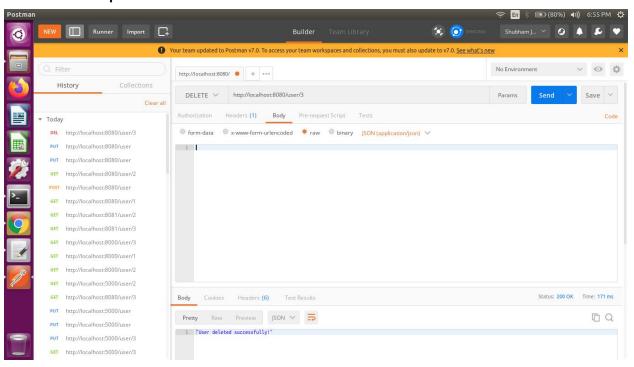
PUT Input:



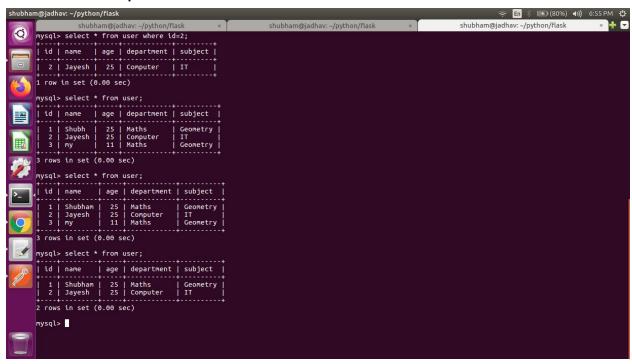
PUT Output:



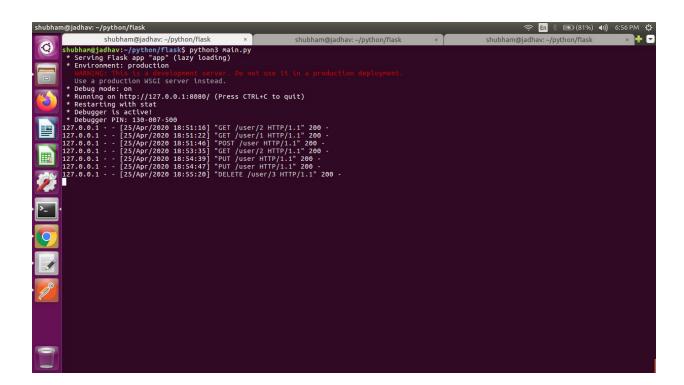
DELETE Input:



DELETE Output:



REST API:



FlowDiagram:

