Docker Assignment

[Github link: https://github.com/piyu2409/Dockerassignment.git]

Software/Plugins/Language Used:

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

Implementation:

- I have done all installations.
 e.g. flask and its dependencies, postman
- 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.
- Write Dockerfile which contain all code and mysql.
- Build Dockerfile : sudo docker build -t sample .

Run Dockerfile:

sudo docker run -it -p 8080:8080 sample

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

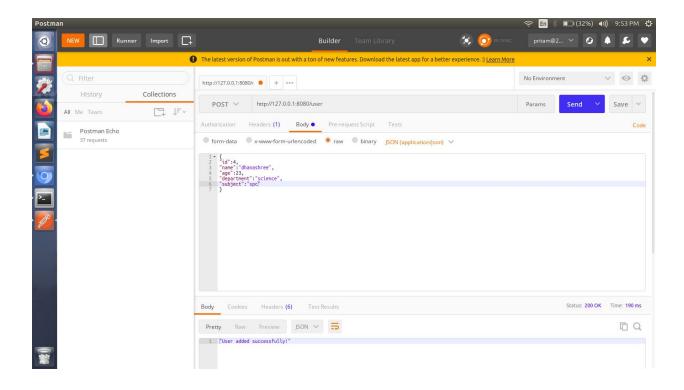
POST = Create data

GET = Read data

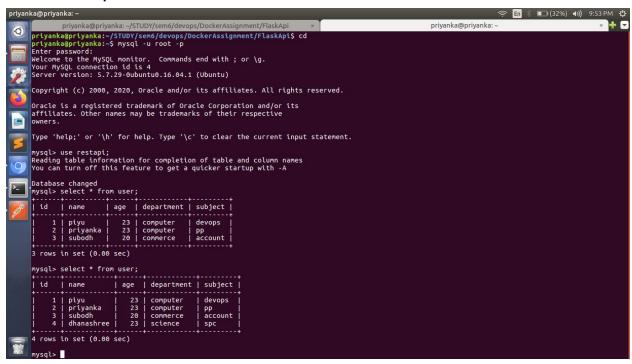
PUT = Update data

DELETE = Delete data

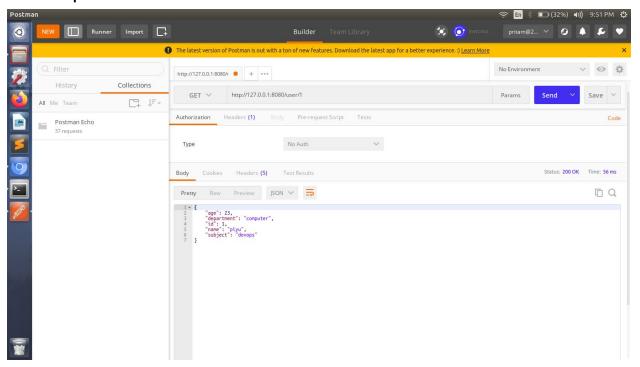
POST input:



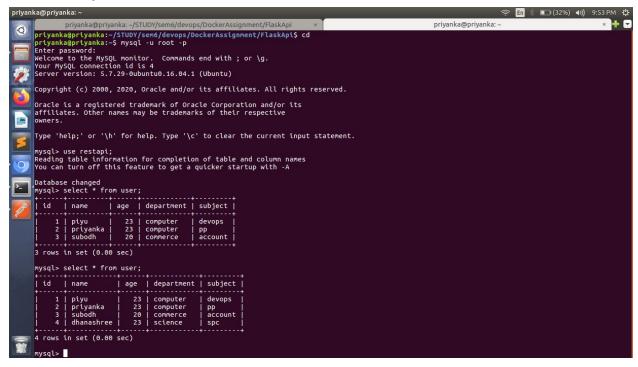
POST Output:



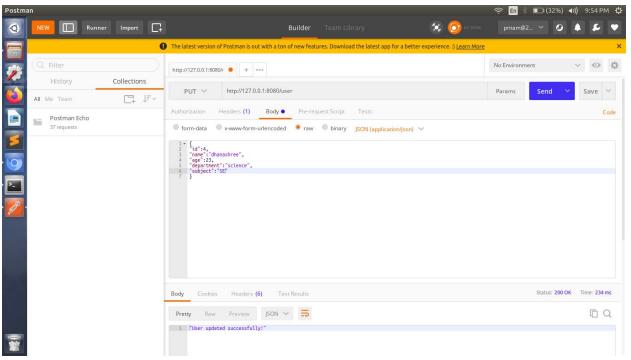
GET Input:



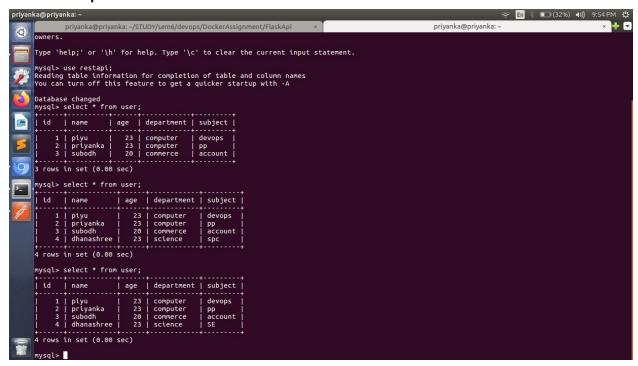
GET Output:



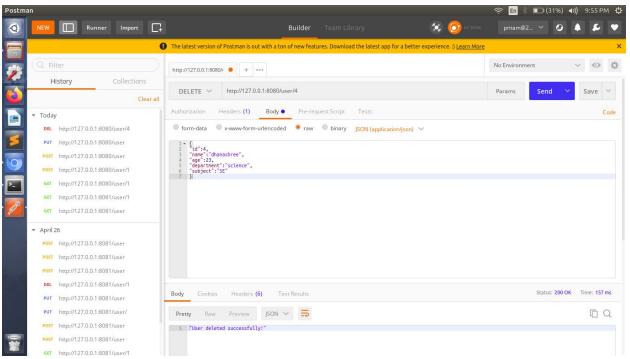
PUT Input:



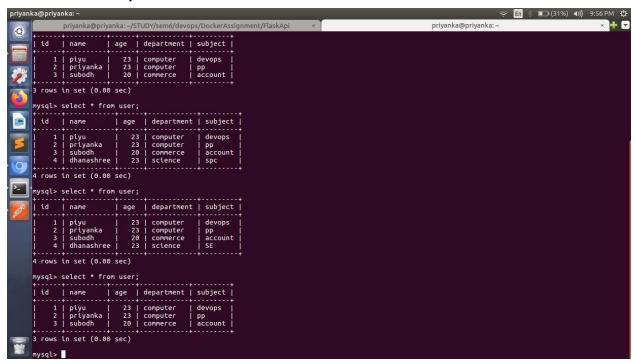
PUT Output:



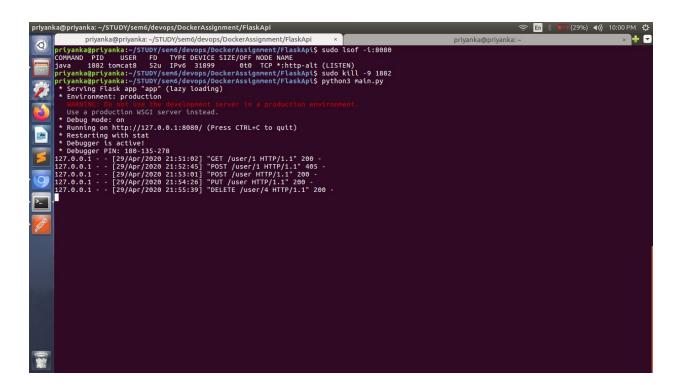
DELETE Input:



DELETE Output:



REST API:



FlowDiagram:

