**Project Code to Run API in Docker Container**

*### 1. Create virtual environment for the API project with Python in the folder project Install Flask, Flask-RESTful and requirements.txt packages*

pip3 install virtualenv

mkdir project

cd project

virtualenv --python=python3 apiProject

source apiProject/bin/activate

pip3 install Flask

pip3 install Flask-RESTful

pip3 freeze > requirements.txt

pip3 install -r requirements.txt

*### 2. Activate virtual environment in Visual Studio Code by selecting Python interpreter apiProject: venv*

*### 3. Display packages in virtual environment to confirm required packages for API are present*

pip list

*### 4. Build and run docker container for API*

docker build -t apitest:v1 .

docker images

docker run aptest:v1

*### 5. Run API Code file api.py in docker container*

*### 6. Rename docker image file and push image to Docker Hub repository dianak27/docker-repo*

docker images

docker tag 092b2391e4f5 dianak27/docker-repo:v1

docker push dianak27/docker-repo:v1