

## docker

สร้างไฟล์สำหรับ ทำ express

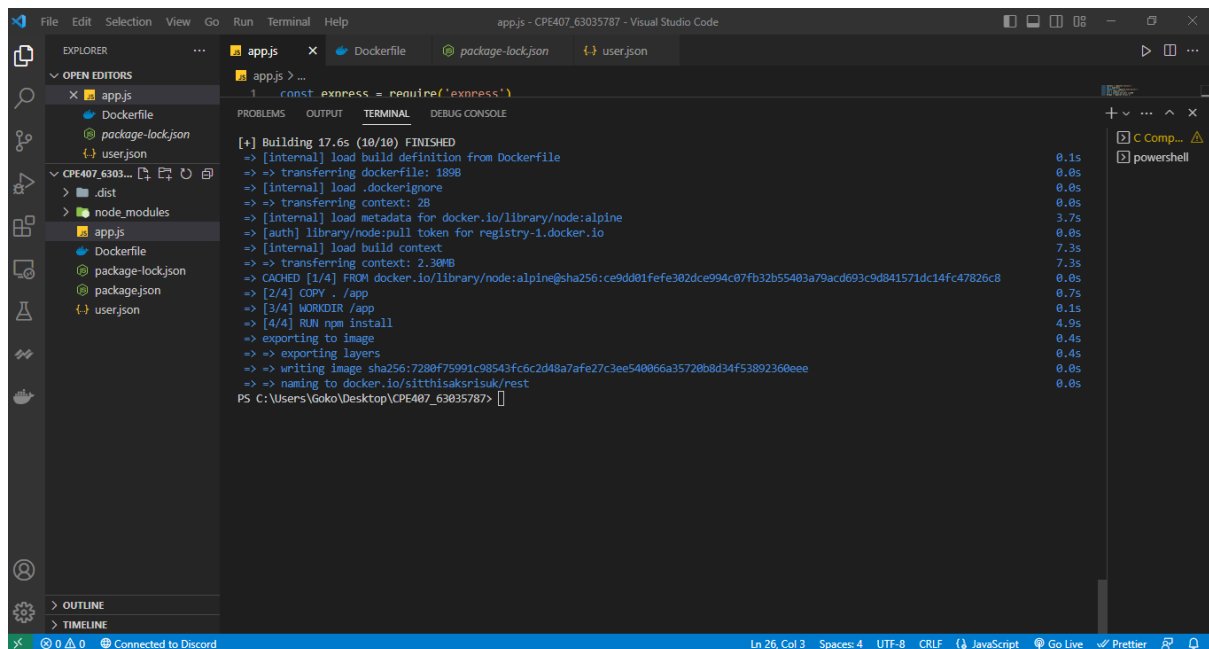
npm ที่ใช้ได้แก่ npm install express morgan body-parser cors

รัน node app.js เพื่อ เปิดเซฟเวอร์และ เปิด browser เพื่อ เช็ค โดยเปิดไปที่ <http://localhost:3300/>

เริ่มทำการเขียน Dockerfile (สร้าง Docker Images)

```
FROM node:alpine
ENV NODE_ENV=production
ENV PORT=3300
COPY . /app
WORKDIR /app
RUN npm install
EXPOSE $PORT
ENTRYPOINT [ "npm" , "start" ]
```

สร้าง images docker build . -t rapeepatkrub/rest



สร้าง container docker run -d -p 8082:3300 --name myRest rapeepatkrub/rest

```
PROBLEMS  OUTPUT  TERMINAL  DEBUG CONSOLE

See 'docker push --help'.

Usage: docker push [OPTIONS] NAME[:TAG]

Push an image or a repository to a registry
PS C:\Users\Goko\Desktop\CPE407_63035787> docker run -d -p 8082:3300 --name myRest sitthisakrsriuk/rest
9c4868e2306685e6d1be20c582d8d5b4397523567ac6533b38eb438b91d46a4b
PS C:\Users\Goko\Desktop\CPE407_63035787> |
```

docker ps

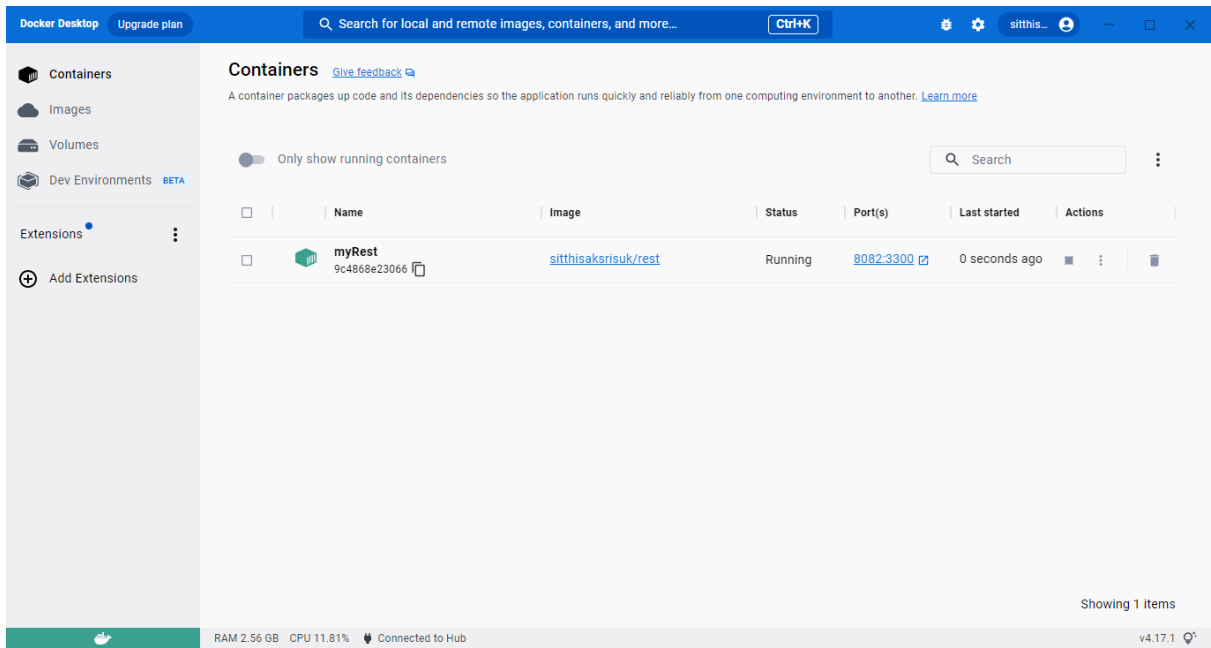
```
File Edit Selection View Go Run Terminal Help appjs - CPE407_63035787 - Visual Studio Code
EXPLORER
  appjs
  Dockerfile
  package-lock.json
  user.json
CPE407_63035787
  dist
  node_modules
  appjs
  Dockerfile
  package-lock.json
  package.json
  user.json
appjs > ...
1 const express = require('express')
2 const app = express()
3 const bodyParser = require('body-parser')
4 const cors = require('cors')
5 const port = process.env.port || 3300
6 const morgan = require('morgan');
7
8 let users = require('./user.json');

PROBLEMS  OUTPUT  TERMINAL  DEBUG CONSOLE

5f70bf18a086: Pushed
d5bbd35db389: Pushed
3740d8350609: Mounted from library/node
6850f2d0a906: Mounted from library/node
1c372e982493: Mounted from library/node
f1417ff83b31: Mounted from library/node
latest: digest: sha256:e38ee0302083fb4218f060183be031fde70a9148eab75fdd157f9c419da60ed5 size: 1783
PS C:\Users\Goko\Desktop\CPE407_63035787> docker run -d -p 8082:3300 --name myRest
"docker run" requires at least 1 argument.
See 'docker run --help'.

Usage: docker run [OPTIONS] IMAGE [COMMAND] [ARG...]

Run a command in a new container
PS C:\Users\Goko\Desktop\CPE407_63035787> docker run -d -p 8082:3300 --name myRest sitthisakrsriuk/rest
2034358a418b2ad727036ed1cc52273fc277cfa08c2e22a2d26f405302c4bb1b
PS C:\Users\Goko\Desktop\CPE407_63035787>
PS C:\Users\Goko\Desktop\CPE407_63035787> docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS                               NAMES
2034358a418b   sitthisakrsriuk/rest               "node app.js"           12 seconds ago Up 11 seconds  0.0.0.0:8082->3300/tcp             myRest
PS C:\Users\Goko\Desktop\CPE407_63035787> |
```



Test ด้วย postman ( http://localhost:8082/user )

