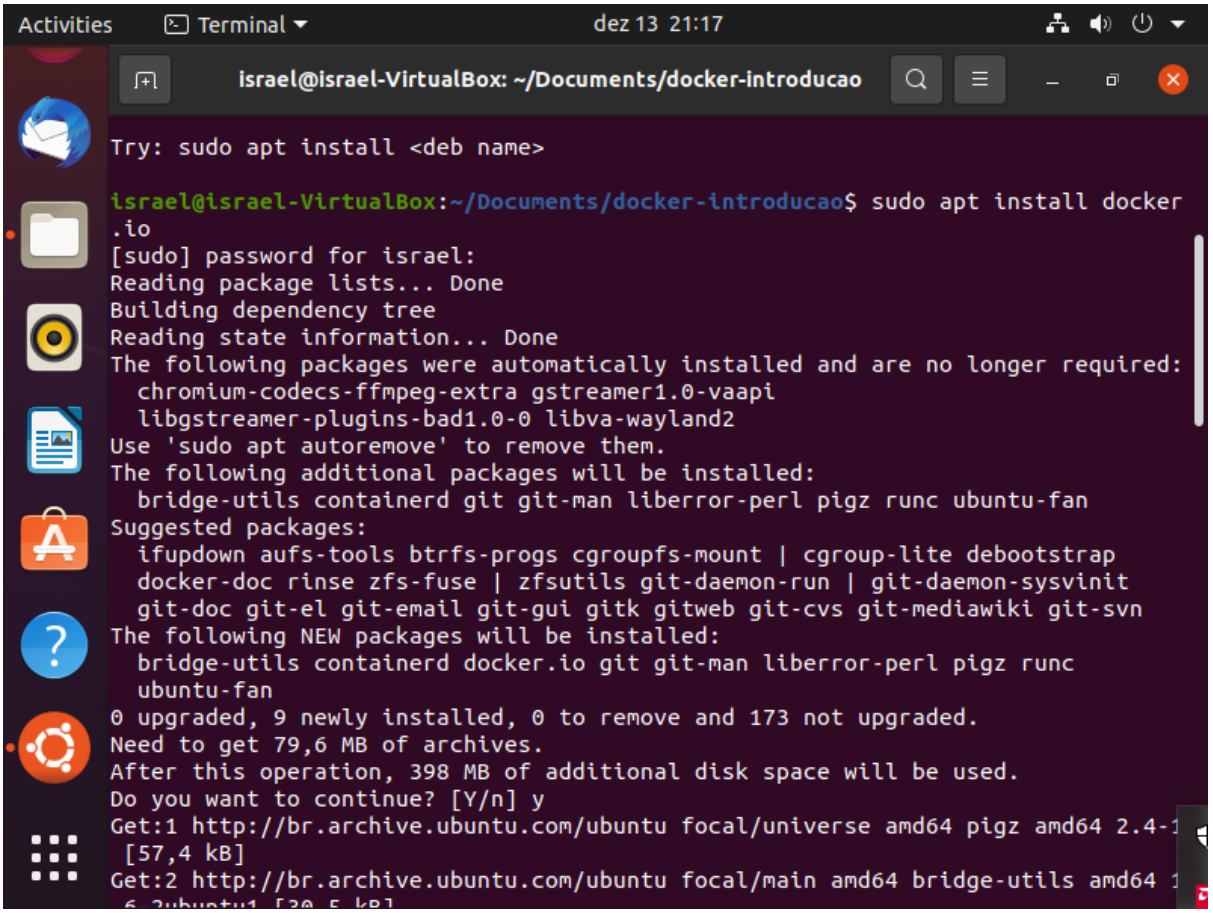
Atividade 10 - Docker

Israel Leite Filho

Docker - Instalação



Criação da Imagem Dockerfile

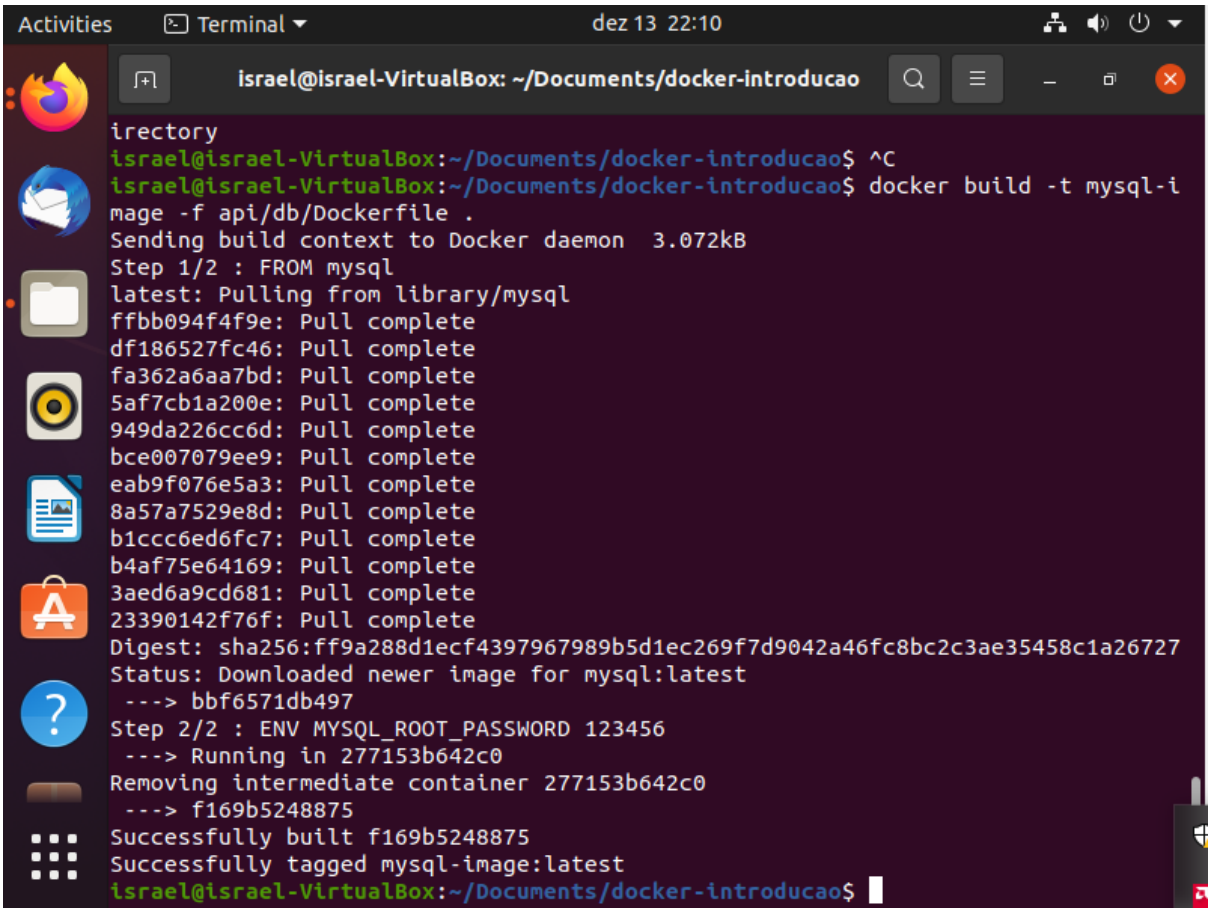
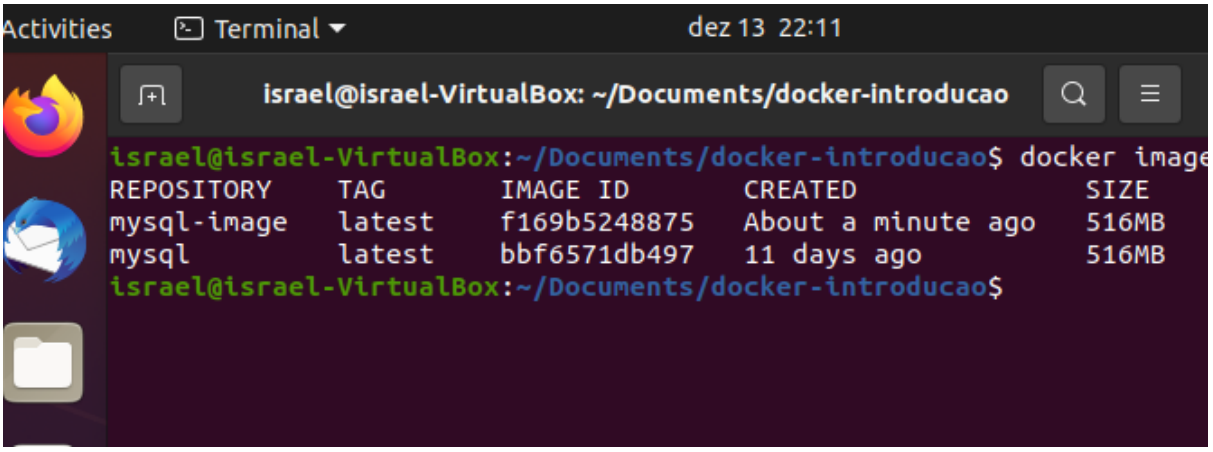
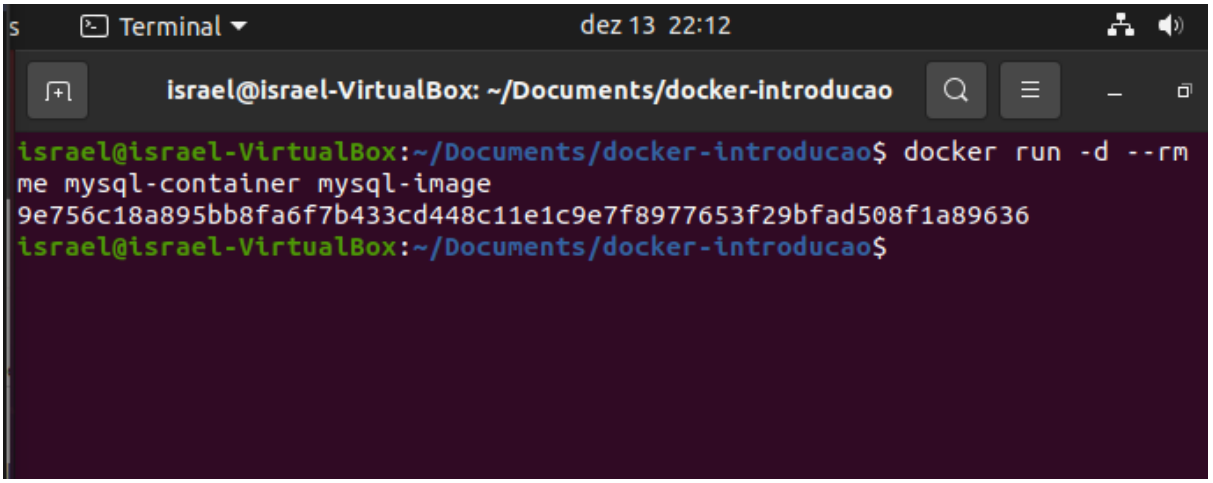


Imagem criada



Rodando docker com a imagem

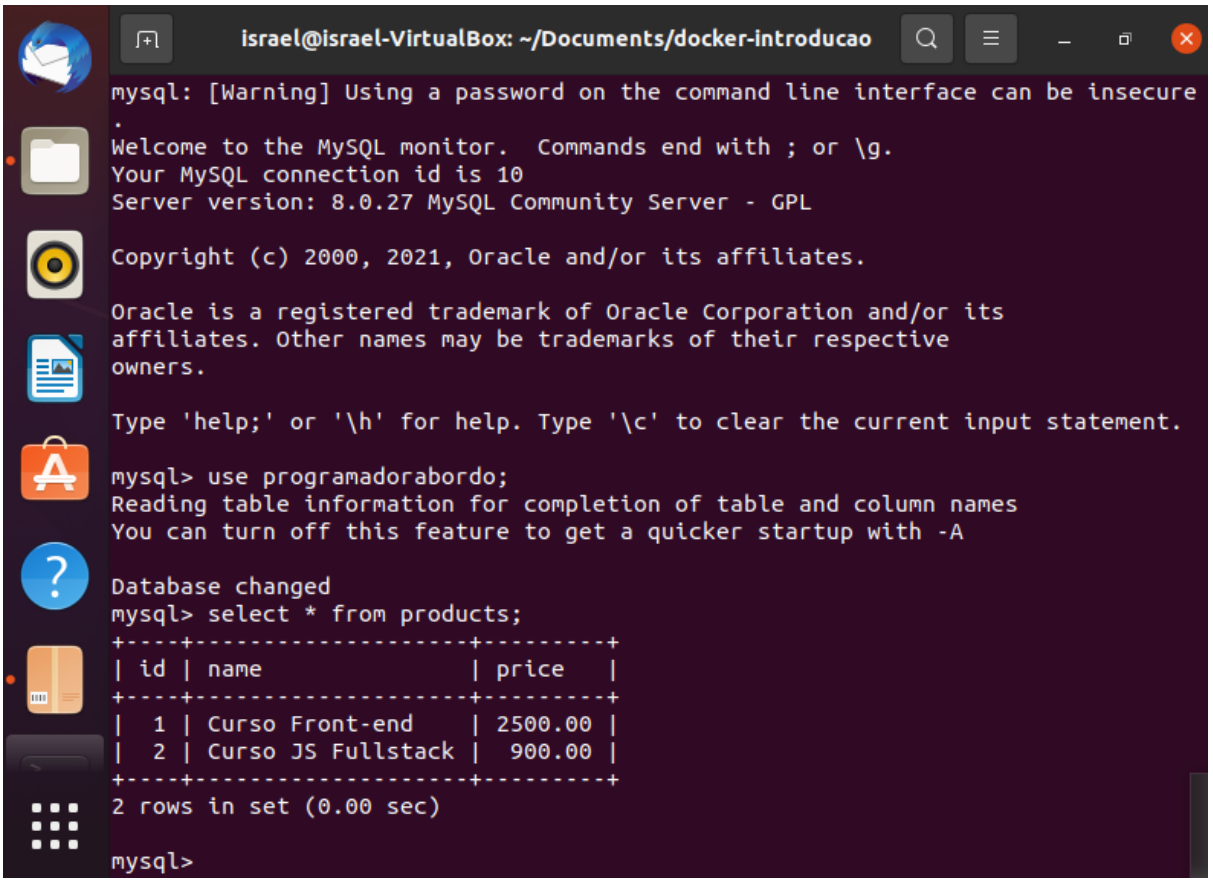



```
israel@israel-VirtualBox:~/Documents/docker-introducao$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED          STAT
        PORTS                  NAMES
9e756c18a895   mysql-image    "docker-entrypoint.s…"   17 seconds ago   Up 1
conds   3306/tcp, 33060/tcp    mysql-container
israel@israel-VirtualBox:~/Documents/docker-introducao$
```

```
israel@israel-VirtualBox:~/Documents/docker-introducao$ docker exec -i my
ntainer mysql -uroot -p123456 < api/db/script.sql
mysql: [Warning] Using a password on the command line interface can be in
.
israel@israel-VirtualBox:~/Documents/docker-introducao$
```

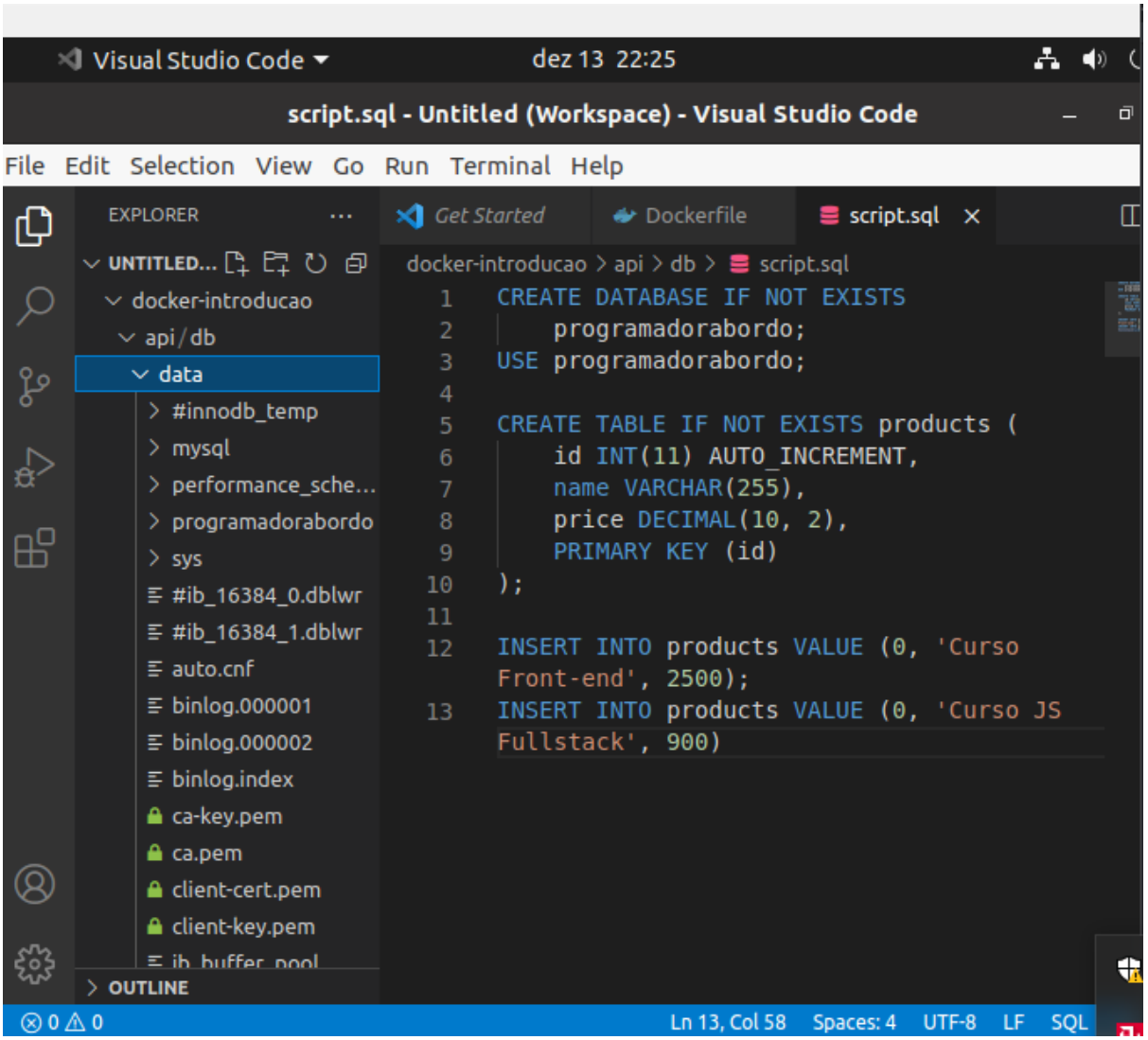
```
israel@israel-VirtualBox:~/Documents/docker-introducao$ docker exec -it mys
ontainer /bin/bash
root@9e756c18a895:/#
```

Banco de Dados



```
exit
israel@israel-VirtualBox:~/Documents/docker-introducao$ docker stop mysql-conta
iner
mysql-container
israel@israel-VirtualBox:~/Documents/docker-introducao$ docker run -d -v $(pwd)
/api/db/data:/var/lib/mysql --rm --name mysql-container mysql-image
0ad389385f074cfdbbe070e43f12463516bd722b6cbd533f7a3886b796e63147
israel@israel-VirtualBox:~/Documents/docker-introducao$
```

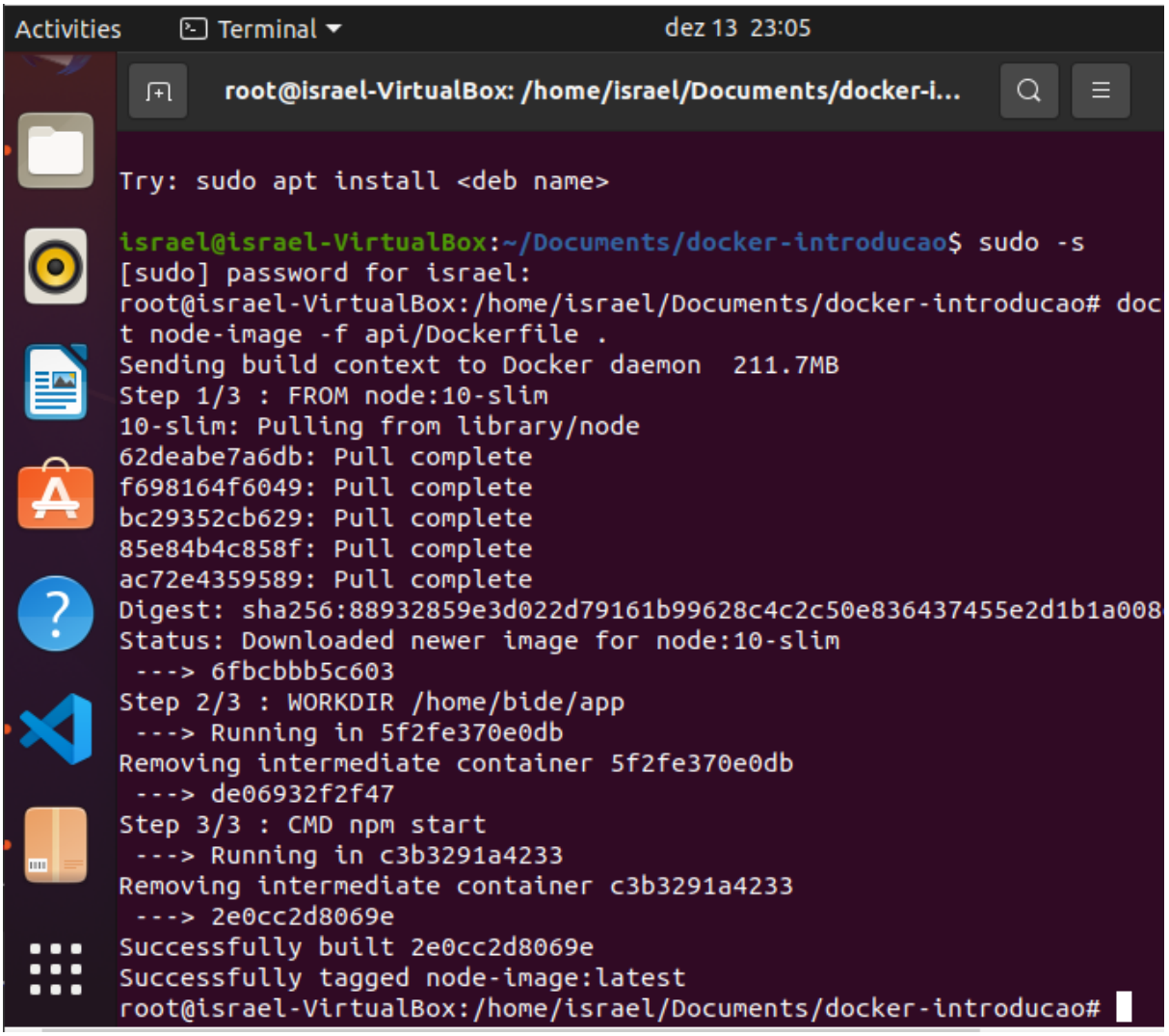
Script em Sql



```
package name: (api) docker-intro-api
version: (1.0.0)
description: Programador a bordo
entry point: (index.js)
test command: test
git repository:
keywords: Docker
author: Israel Leite
license: (ISC)
About to write to /home/israel/Documents/docker-introducao/api/package.json

{
  "name": "docker-intro-api",
  "version": "1.0.0",
  "description": "Programador a bordo",
  "main": "index.js",
  "scripts": {
    "test": "test"
  },
  "keywords": [
    "Docker"
  ],
  "author": "Israel Leite",
  "license": "ISC"
}


Is this OK? (yes) yes
israel@israel-VirtualBox:~/Documents/docker-introducao/api$
```

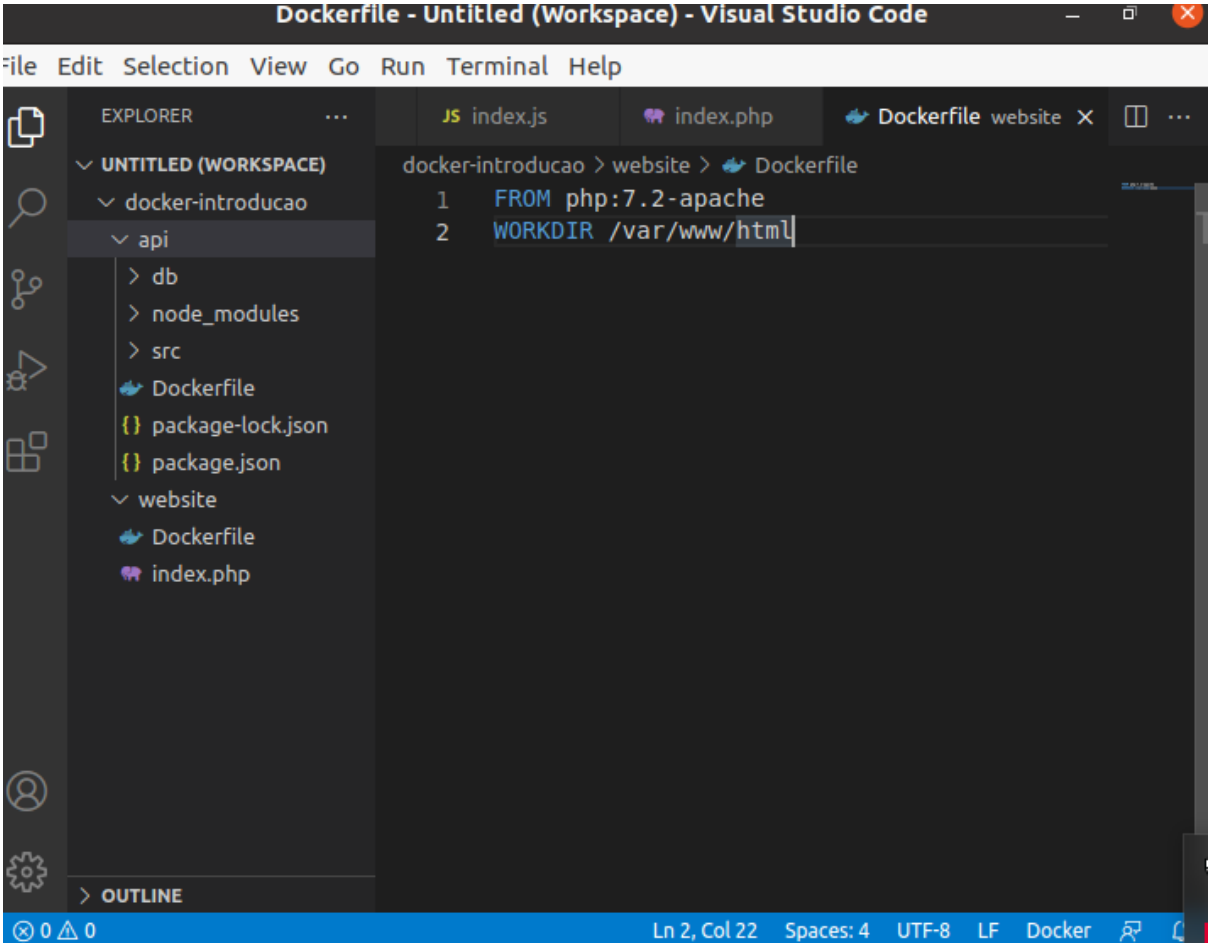



```
Successfully built 2e0cc2d8069e
Successfully tagged node-image:latest
root@israel-VirtualBox:/home/israel/Documents/docker-introducao# docker image l
s
REPOSITORY    TAG       IMAGE ID       CREATED             SIZE
node-image    latest    2e0cc2d8069e   10 minutes ago      134MB
mysql-image   latest    f169b5248875   About an hour ago   516MB
mysql         latest    bbf6571db497   11 days ago         516MB
node          10-slim   6fbcbbb5c603   8 months ago        134MB
root@israel-VirtualBox:/home/israel/Documents/docker-introducao# docker run -d
-v $(pwd)/api:/home/node/app -p 9001:9001 --rm --name node-container node-image
6fd559fe9972e45538896d588a794551ee2a65a6597726cbbf631fc9c489aa57
root@israel-VirtualBox:/home/israel/Documents/docker-introducao#
```

```
[
  {
    "name": "Curso Front-end especialista",
    "price": 2500
  },
  {
    "name": "Curso JS Fullstack",
    "price": 900
  }
]
```


```
root@israel-VirtualBox:/home/israel/Documents/docker-introducao# docker buil
t php-image -f website/Dockerfile .
Sending build context to Docker daemon  211.7MB
Step 1/2 : FROM php:7.2-apache
7.2-apache: Pulling from library/php
6ec7b7d162b2: Pull complete
db606474d60c: Pull complete
afb30f0cd8e0: Pull complete
3bb2e8051594: Pull complete
4c761b44e2cc: Pull complete
c2199db96575: Pull complete
1b9a9381eea8: Pull complete
fd07bbc59d34: Pull complete
72b73ab27698: Pull complete
983308f4f0d6: Pull complete
6c13f026e6da: Pull complete
e5e6cd163689: Pull complete
5c5516e56582: Pull complete
154729f6ba86: Pull complete
Digest: sha256:4dc0f0115acf8c2f0df69295ae822e49f5ad5fe849725847f15aa0e5802b5
Status: Downloaded newer image for php:7.2-apache
 ---> c61d277263e1
Step 2/2 : WORKDIR /var/www/html
 ---> Running in 9fe5166f773f
Removing intermediate container 9fe5166f773f
 ---> dc1ab26e9467
Successfully built dc1ab26e9467
Successfully tagged php-image:latest
root@israel-VirtualBox:/home/israel/Documents/docker-introducao# docker run
```

Pasta Final


Dockerfile - Untitled (Workspace) - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
UNTITLED (WORKSPACE)
docker-introducao
api
db
node_modules
src
Dockerfile
package-lock.json
package.json
website
Dockerfile
index.php
OUTLINE
index.js
index.php
Dockerfile website
docker-introducao > website > Dockerfile
1 FROM php:7.2-apache
2 WORKDIR /var/www/html
Ln 2, Col 22
Spaces: 4
UTF-8
LF
Docker