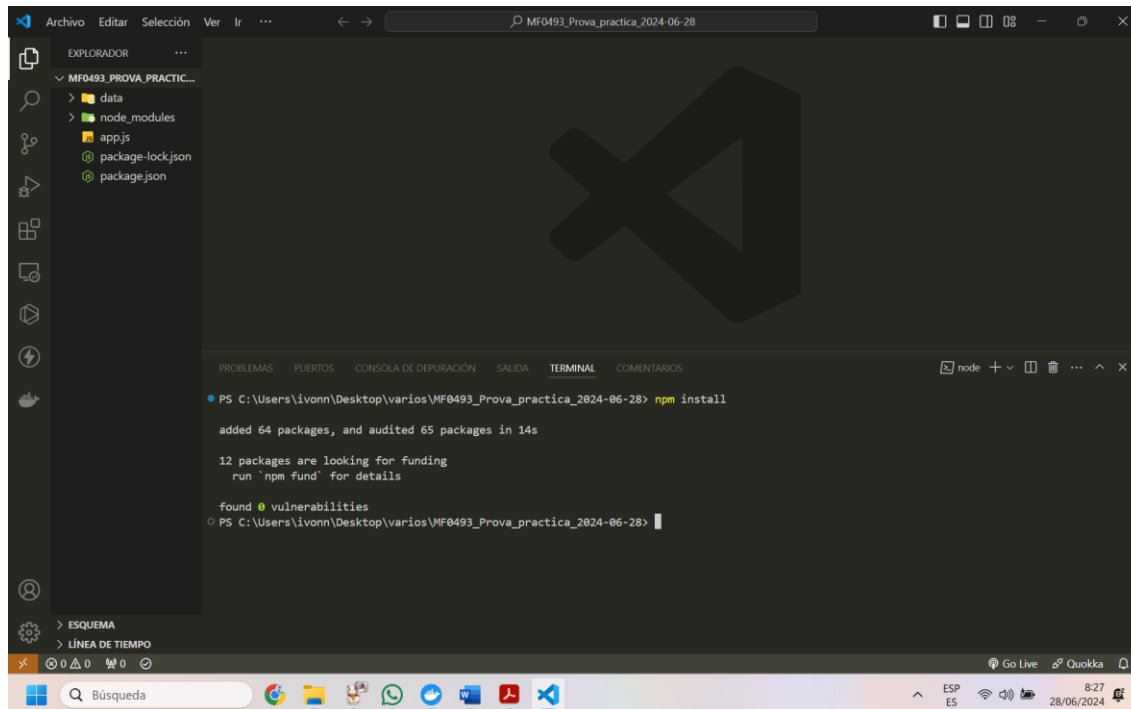


MF0493_Ivonne_Cantor

Instalo la carpeta node modules para poder ir probando la aplicación. La instrucción es: **npm install**



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays a project structure with folders 'data' and 'app.js', and files 'package-lock.json' and 'package.json'. The main editor area is dark with a large, faint 'X' watermark. The TERMINAL panel at the bottom shows the command prompt output for 'npm install' executed in the directory 'C:\Users\Ivonn\Desktop\varios\MF0493_Prova_practica_2024-06-28'. The output indicates that 64 packages were added and audited in 14 seconds, and that 12 packages are looking for funding. It also mentions 'found 0 vulnerabilities'.

```
PS C:\Users\Ivonn\Desktop\varios\MF0493_Prova_practica_2024-06-28> npm install

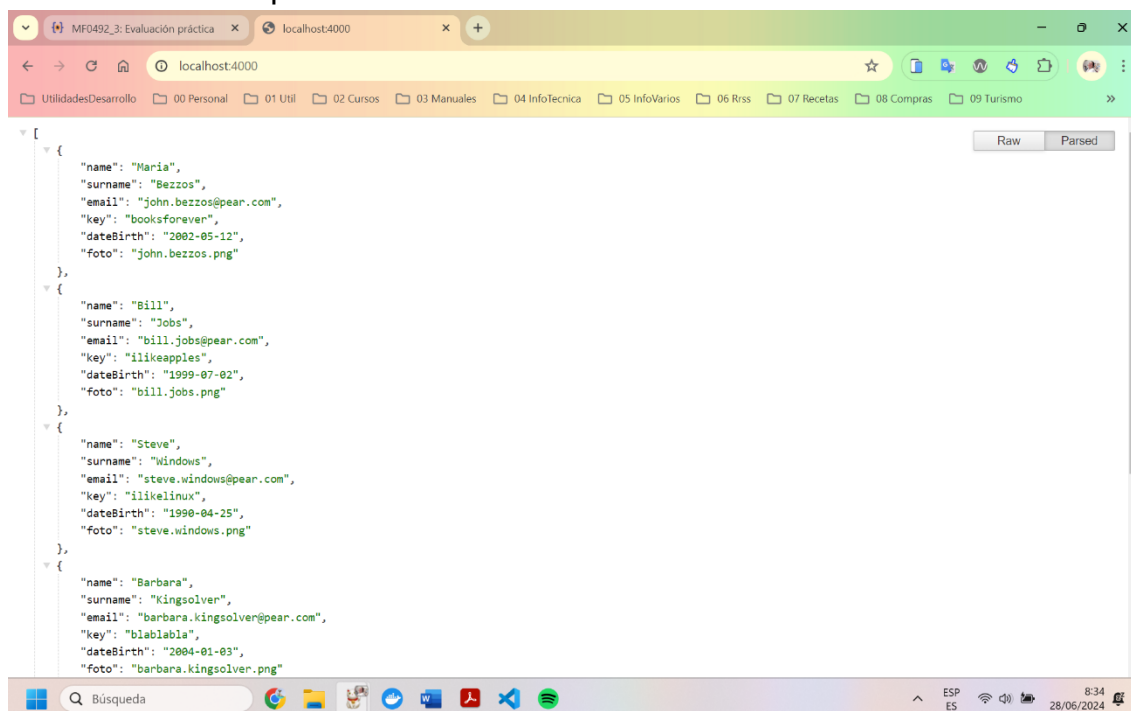
added 64 packages, and audited 65 packages in 14s

12 packages are looking for funding
  run 'npm fund' for details

found 0 vulnerabilities
PS C:\Users\Ivonn\Desktop\varios\MF0493_Prova_practica_2024-06-28>
```

Lanzo la aplicación con la instrucción: **node .\app.js** o **npm start**

Puedo verificar que funciona



The screenshot shows a web browser window with the address bar set to 'localhost:4000'. The browser's developer tools are open, displaying a JSON response from the server. The JSON data is an array of four objects, each representing a person with fields for name, surname, email, key, date of birth, and photo. The objects are for Maria, Bill, Steve, and Barbara.

```
[
  {
    "name": "Maria",
    "surname": "Bezzos",
    "email": "john.bezzos@pear.com",
    "key": "booksforever",
    "dateBirth": "2002-05-12",
    "foto": "john.bezzos.png"
  },
  {
    "name": "Bill",
    "surname": "Jobs",
    "email": "bill.jobs@pear.com",
    "key": "ilikeapples",
    "dateBirth": "1999-07-02",
    "foto": "bill.jobs.png"
  },
  {
    "name": "Steve",
    "surname": "Windows",
    "email": "steve.windows@pear.com",
    "key": "ilikelinux",
    "dateBirth": "1990-04-25",
    "foto": "steve.windows.png"
  },
  {
    "name": "Barbara",
    "surname": "Kingsolver",
    "email": "barbara.kingsolver@pear.com",
    "key": "blablable",
    "dateBirth": "2004-01-03",
    "foto": "barbara.kingsolver.png"
  }
]
```

Parte 1: GITHUB

Creo el archivo .gitignore

Coloco los ficheros que no son necesarios para luego subirlo. No incluyo los archivos ocultos .* para poderlos subir

Creo en github.com el repositorio. El enlace es:

https://github.com/IvonneCaPa/MF0493_3_Ivonne_Cantor.git

Subo el repositorio. Los comandos son:

git init

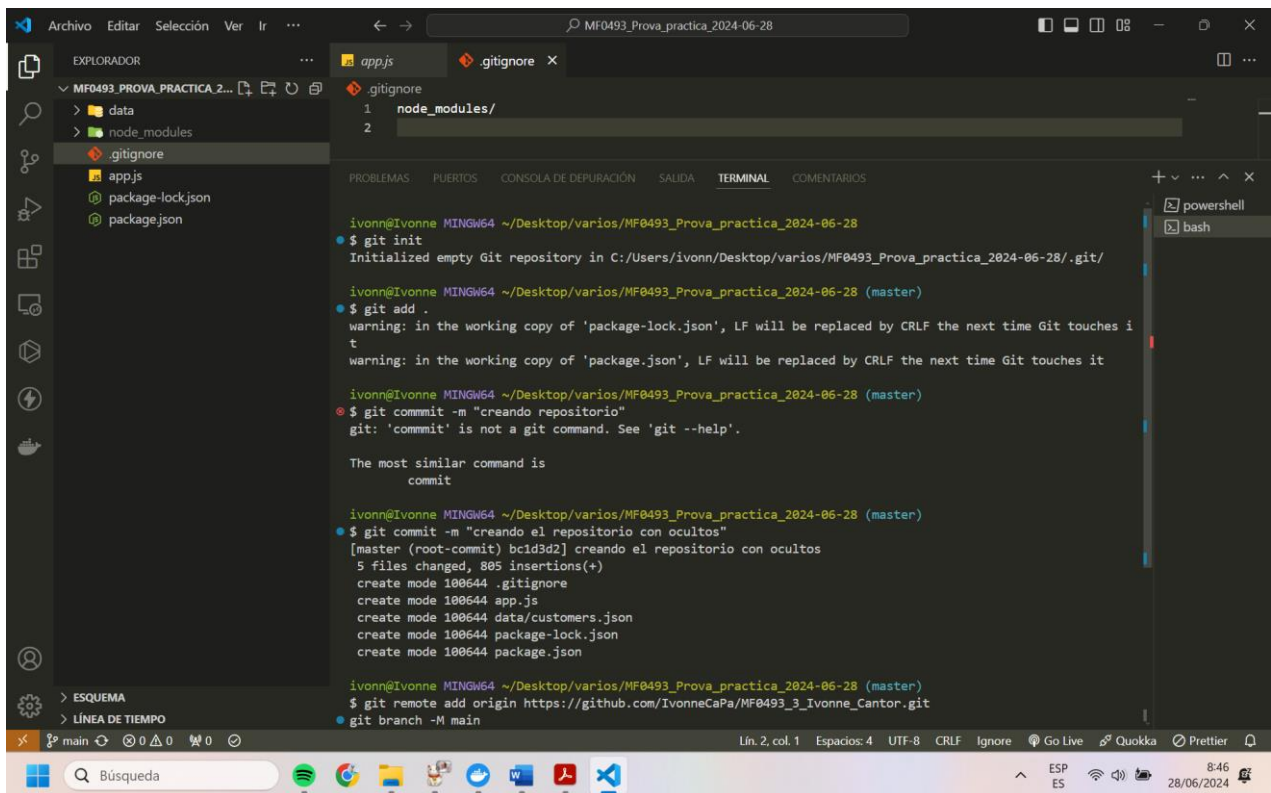
git add .

git commit -m "creando repositorio"

git remote add origin https://github.com/IvonneCaPa/MF0493_3_Ivonne_Cantor.git

git branch -M main

git push -u origin main



```
ivonn@Ivonne MINGW64 ~/Desktop/varios/MF0493_Prova_practica_2024-06-28
$ git init
Initialized empty Git repository in C:/Users/ivonn/Desktop/varios/MF0493_Prova_practica_2024-06-28/.git/

ivonn@Ivonne MINGW64 ~/Desktop/varios/MF0493_Prova_practica_2024-06-28 (master)
$ git add .
warning: in the working copy of 'package-lock.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package.json', LF will be replaced by CRLF the next time Git touches it

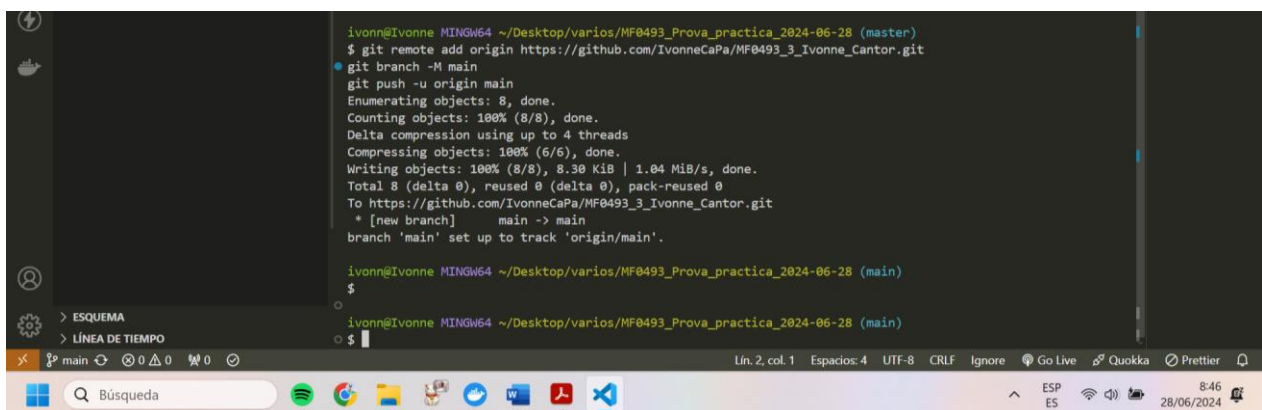
ivonn@Ivonne MINGW64 ~/Desktop/varios/MF0493_Prova_practica_2024-06-28 (master)
$ git commit -m "creando repositorio"
git: 'commit' is not a git command. See 'git --help'.

The most similar command is
commit

ivonn@Ivonne MINGW64 ~/Desktop/varios/MF0493_Prova_practica_2024-06-28 (master)
$ git commit -m "creando el repositorio con ocultos"
[master (root-commit) bc1d3d2] creando el repositorio con ocultos
5 files changed, 805 insertions(+)
create mode 100644 .gitignore
create mode 100644 app.js
create mode 100644 data/customers.json
create mode 100644 package-lock.json
create mode 100644 package.json

ivonn@Ivonne MINGW64 ~/Desktop/varios/MF0493_Prova_practica_2024-06-28 (master)
$ git remote add origin https://github.com/IvonneCaPa/MF0493_3_Ivonne_Cantor.git

ivonn@Ivonne MINGW64 ~/Desktop/varios/MF0493_Prova_practica_2024-06-28 (master)
$ git branch -M main
```



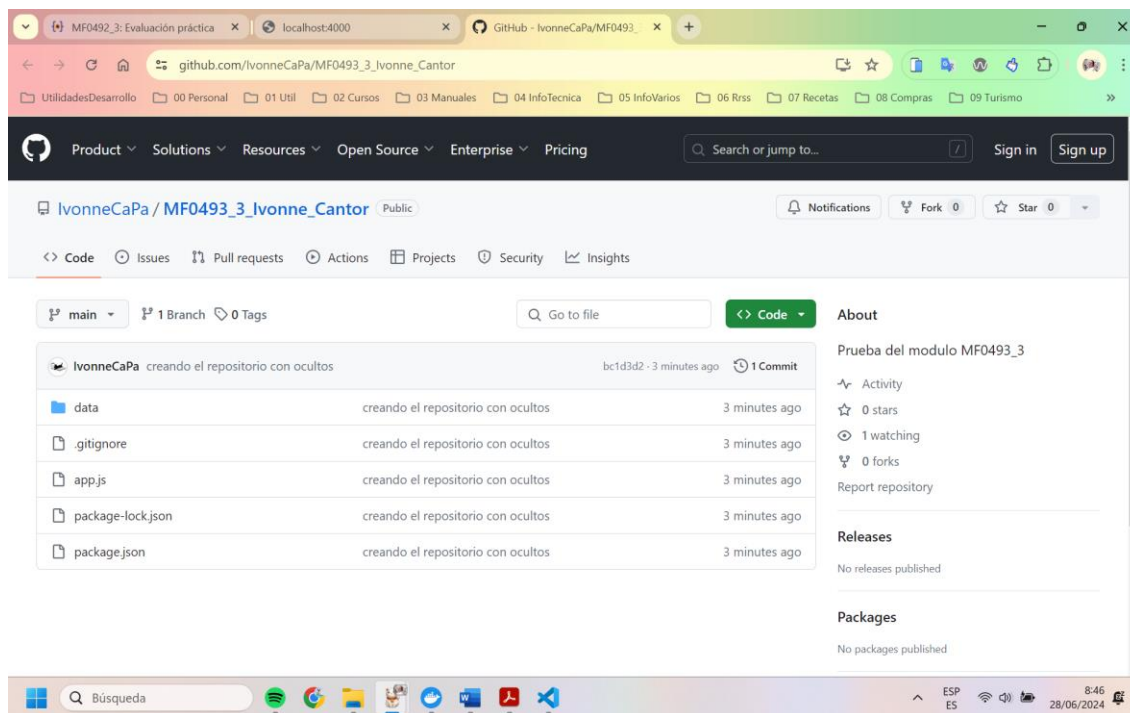
```
ivonn@Ivonne MINGW64 ~/Desktop/varios/MF0493_Prova_practica_2024-06-28 (master)
$ git remote add origin https://github.com/IvonneCaPa/MF0493_3_Ivonne_Cantor.git

ivonn@Ivonne MINGW64 ~/Desktop/varios/MF0493_Prova_practica_2024-06-28 (master)
$ git branch -M main

ivonn@Ivonne MINGW64 ~/Desktop/varios/MF0493_Prova_practica_2024-06-28 (master)
$ git push -u origin main
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (8/8), 8.30 KiB | 1.04 MiB/s, done.
Total 8 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/IvonneCaPa/MF0493_3_Ivonne_Cantor.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

ivonn@Ivonne MINGW64 ~/Desktop/varios/MF0493_Prova_practica_2024-06-28 (main)
$
```

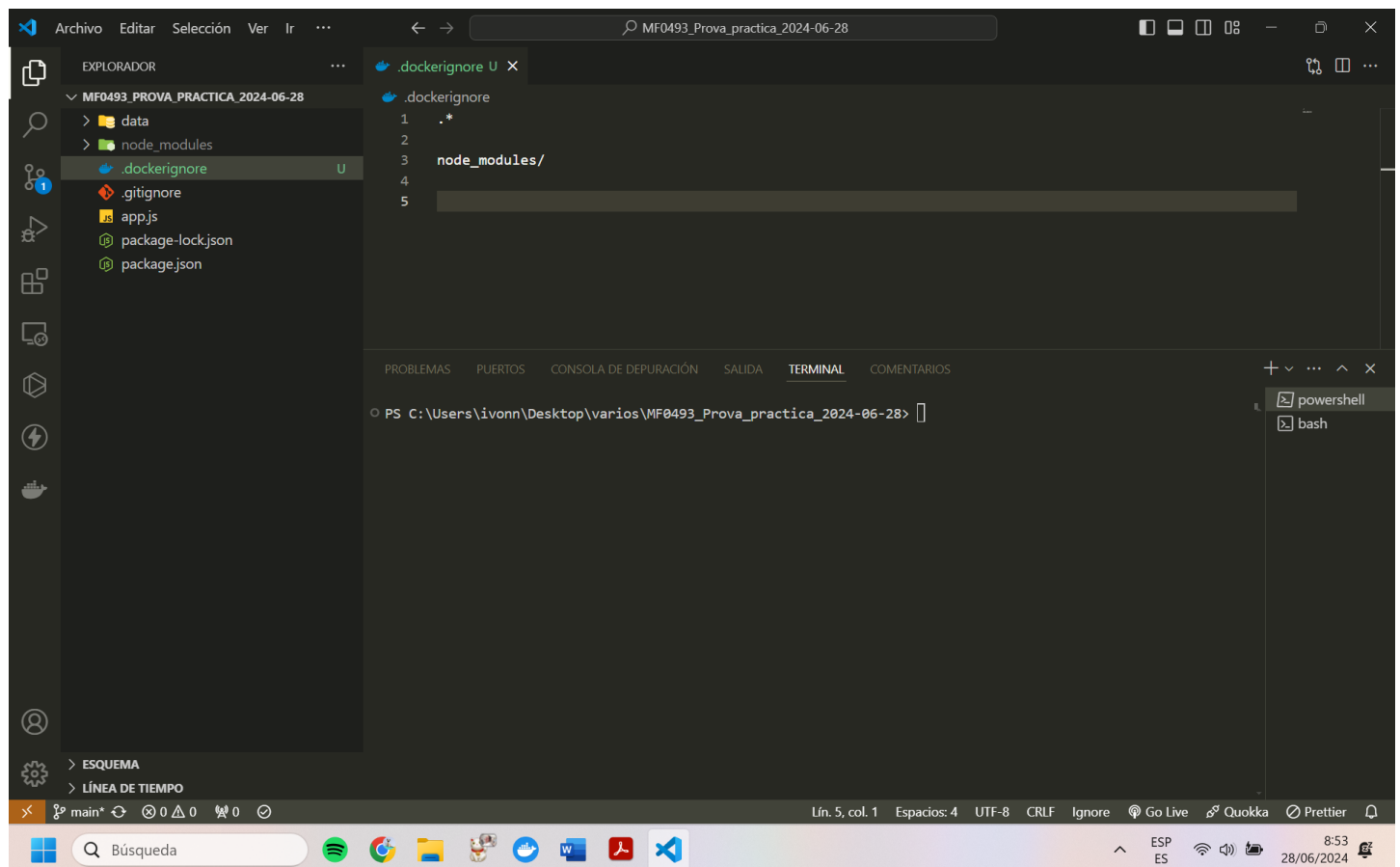
Compruebo que esta:



Enlace: https://github.com/IvonneCaPa/MF0493_3_Ivonne_Cantor.git

Parte 2: Docker

Creo el archivo .dockerignore y pongo en el lo que no quiero en el repositorio



Creo el archivo Dockerfile y agrego los comandos que necesito

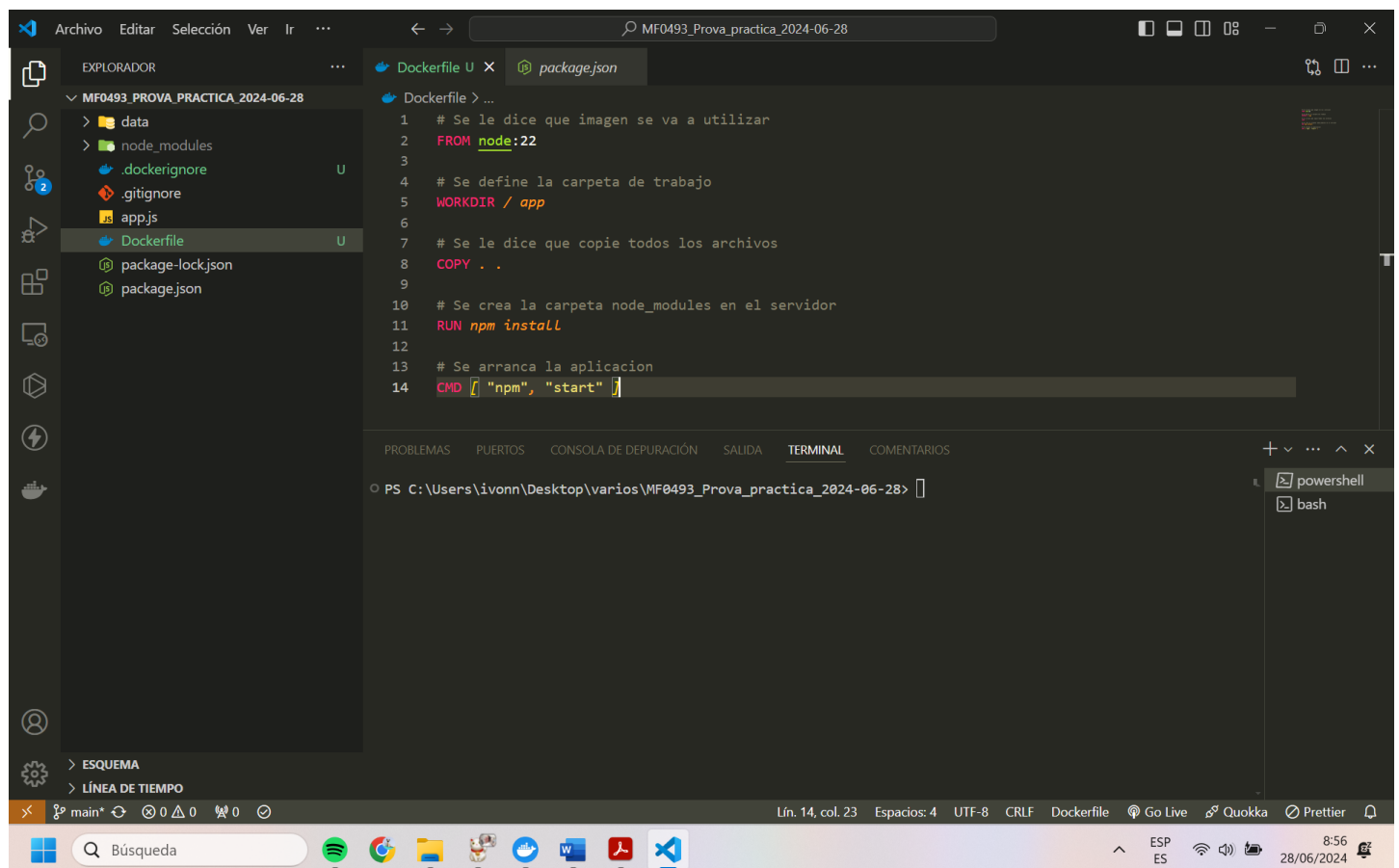
Se le dice con qué imagen se va a utilizar
FROM node:22

Se define la carpeta de trabajo
WORKDIR / app

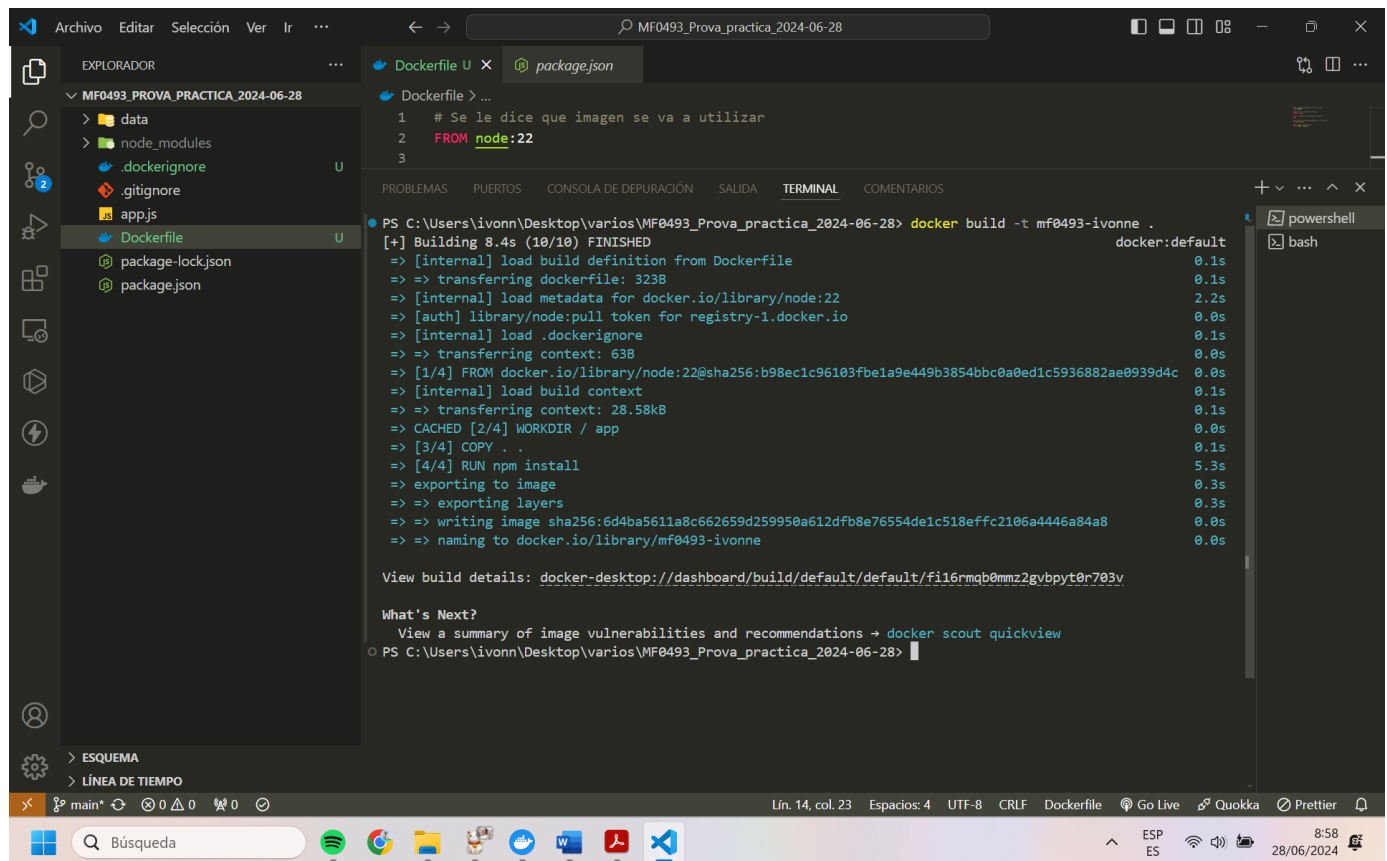
Se le dice que copie todos los elementos
COPY . .

Se crea el node_modules en el servidor
RUN npm install

Arranca la aplicación
CMD ["npm", "start"]



En la terminal Creamos la imagen



The screenshot shows the VS Code interface with a project named 'MF0493_PROVA_PRACTICA_2024-06-28'. The Explorer sidebar on the left shows the file structure, including 'data', 'node_modules', '.dockerignore', '.gitignore', 'app.js', 'Dockerfile', 'package-lock.json', and 'package.json'. The Dockerfile editor is open, showing a simple Dockerfile with three lines: a comment, 'FROM node:22', and an empty line. The terminal at the bottom shows the output of the command 'docker build -t mf0493-ivonne .'. The output indicates that the build was successful, with the image named 'docker.io/library/mf0493-ivonne'.

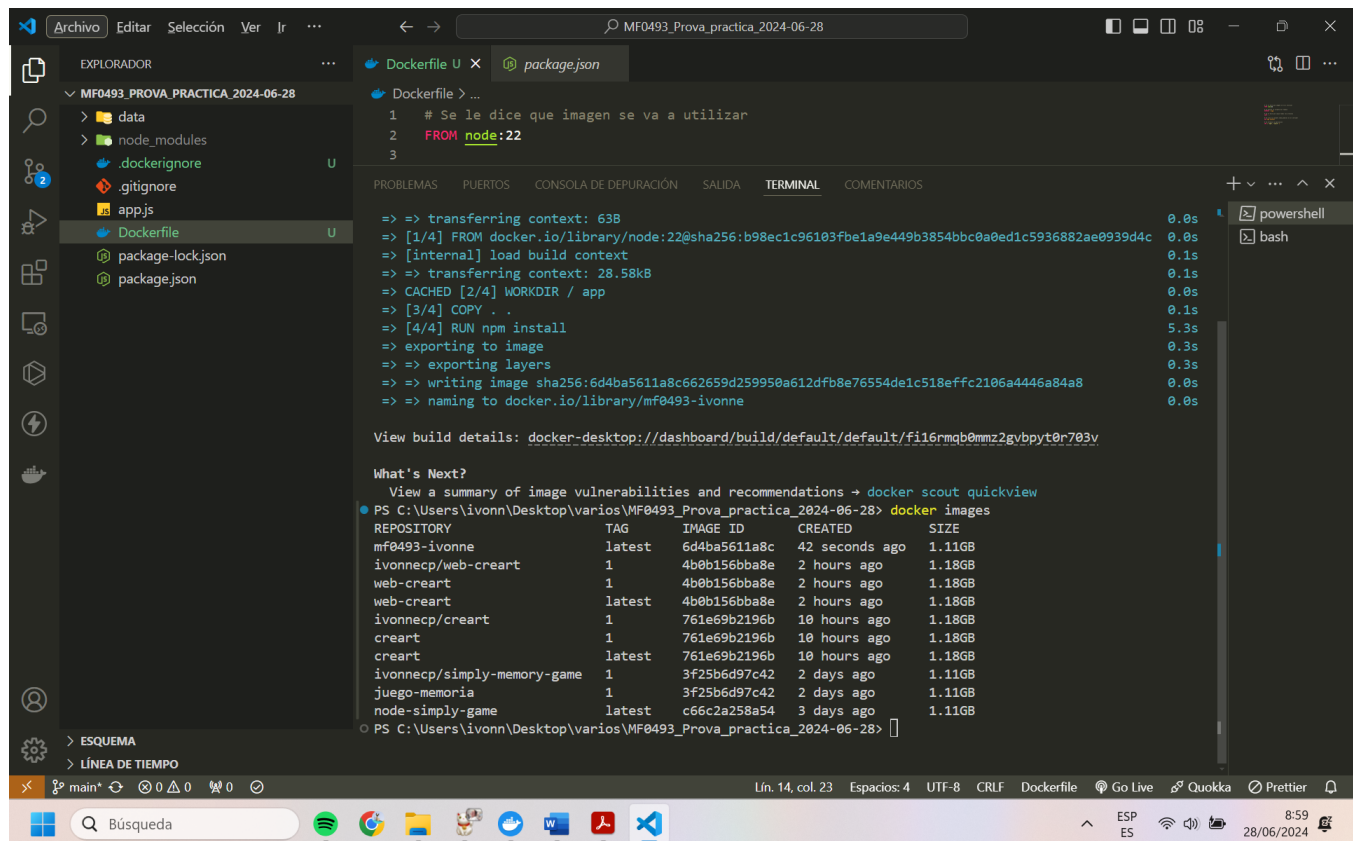
```
PS C:\Users\ivonn\Desktop\varios\MF0493_Prova_practica_2024-06-28> docker build -t mf0493-ivonne .
[+] Building 8.4s (10/10) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 323B
=> [internal] load metadata for docker.io/library/node:22
=> [auth] library/node:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 63B
=> [1/4] FROM docker.io/library/node:22@sha256:b98ec1c96103fba9e449b3854bbc0a0ed1c5936882ae0939d4c
=> [internal] load build context
=> => transferring context: 28.58kB
=> CACHED [2/4] WORKDIR / app
=> [3/4] COPY . .
=> [4/4] RUN npm install
=> exporting to image
=> => exporting layers
=> => writing image sha256:6d4ba5611a8c662659d259950a612dfb8e76554de1c518effc2106a444a84a8
=> => naming to docker.io/library/mf0493-ivonne

View build details: docker-desktop://dashboard/build/default/default/fi16rmqb0mmz2gvbpyt0r703v

What's Next?
View a summary of image vulnerabilities and recommendations → docker scout quickview
PS C:\Users\ivonn\Desktop\varios\MF0493_Prova_practica_2024-06-28>
```

Compruebo que esta:

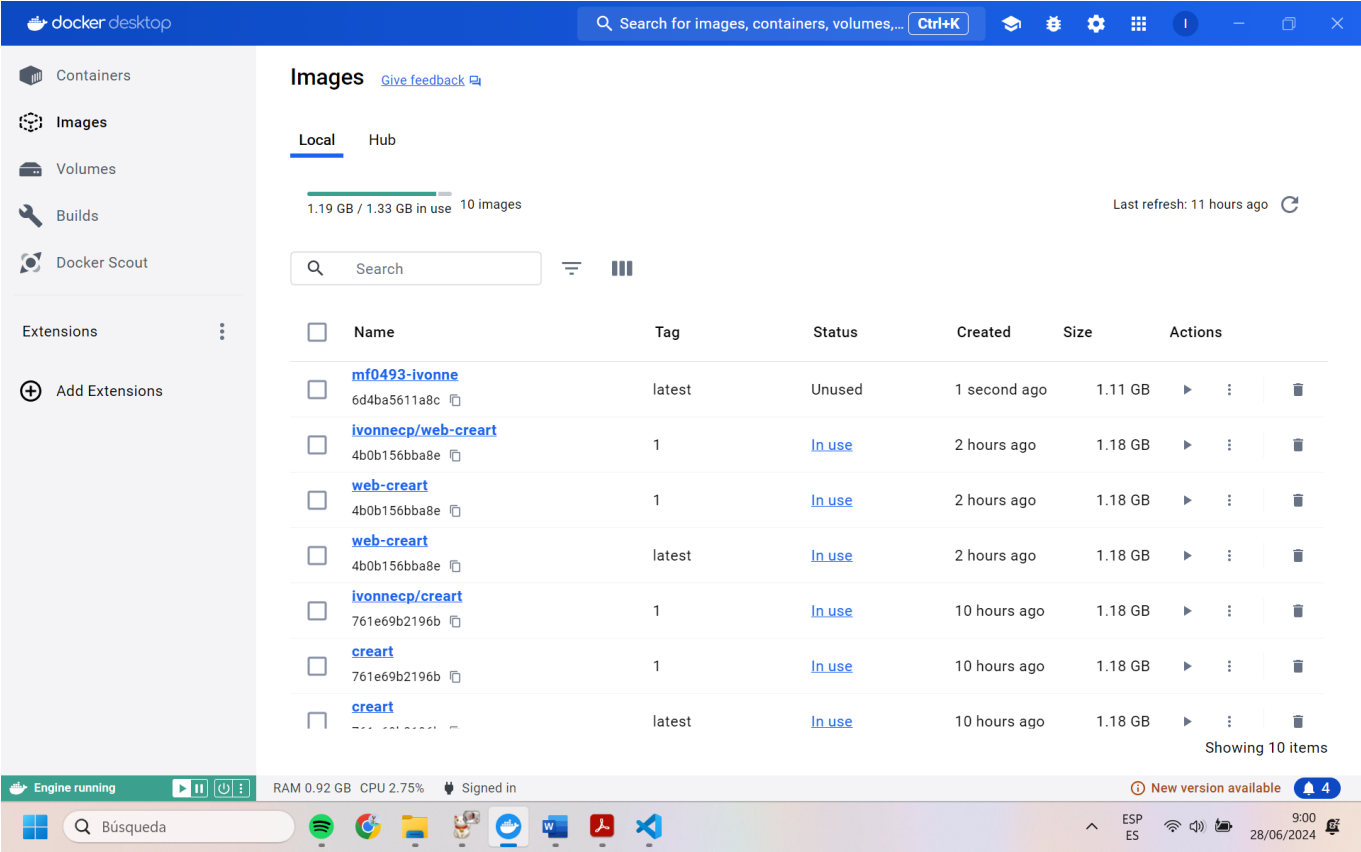
Desde la terminal:



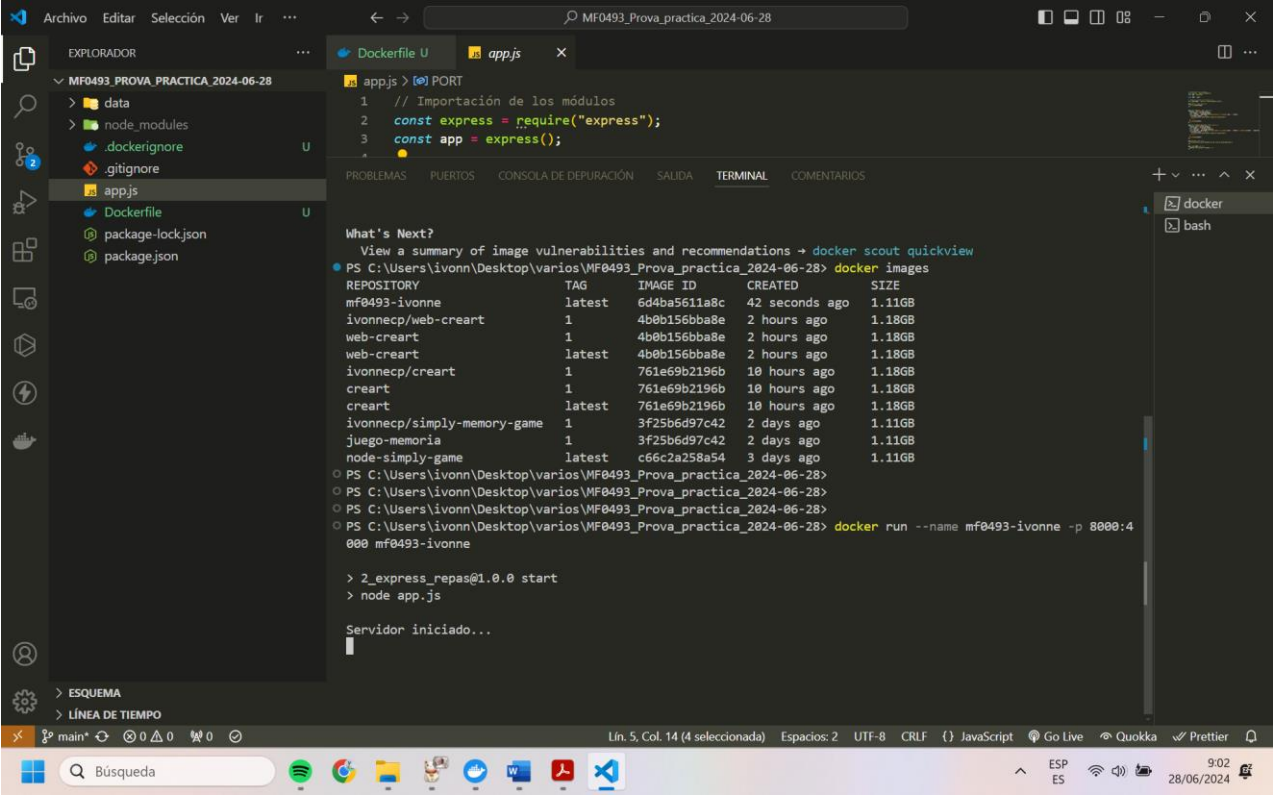
The screenshot shows the VS Code interface with the same project. The Dockerfile editor is still open. The terminal at the bottom shows the output of the command 'docker images'. The output lists several Docker images, including 'mf0493-ivonne' with the 'latest' tag, and other images from the 'ivonne' repository.

```
PS C:\Users\ivonn\Desktop\varios\MF0493_Prova_practica_2024-06-28> docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
mf0493-ivonne       latest             6d4ba5611a8c       42 seconds ago     1.11GB
ivonne/web-creart   1                 4b0b156bba8e       2 hours ago        1.18GB
web-creart          1                 4b0b156bba8e       2 hours ago        1.18GB
web-creart          latest            4b0b156bba8e       2 hours ago        1.18GB
ivonne/creart       1                 761e69b2196b       10 hours ago       1.18GB
creart              1                 761e69b2196b       10 hours ago       1.18GB
creart              latest            761e69b2196b       10 hours ago       1.18GB
ivonne/simply-memory-game 1                 3f25b6d97c42       2 days ago         1.11GB
juego-memoria       1                 3f25b6d97c42       2 days ago         1.11GB
node-simply-game    latest            c66c2a258a54       3 days ago         1.11GB
PS C:\Users\ivonn\Desktop\varios\MF0493_Prova_practica_2024-06-28>
```

Y desde la aplicación de Docker

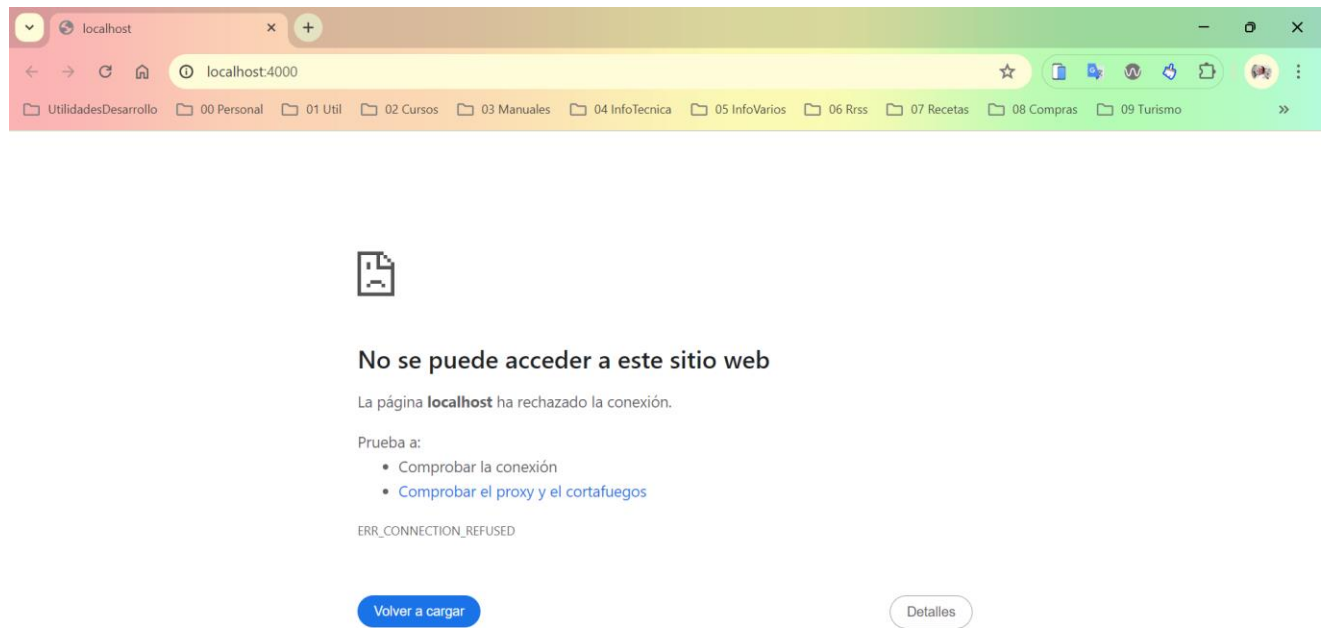


Pongo la imagen en un contenedor:

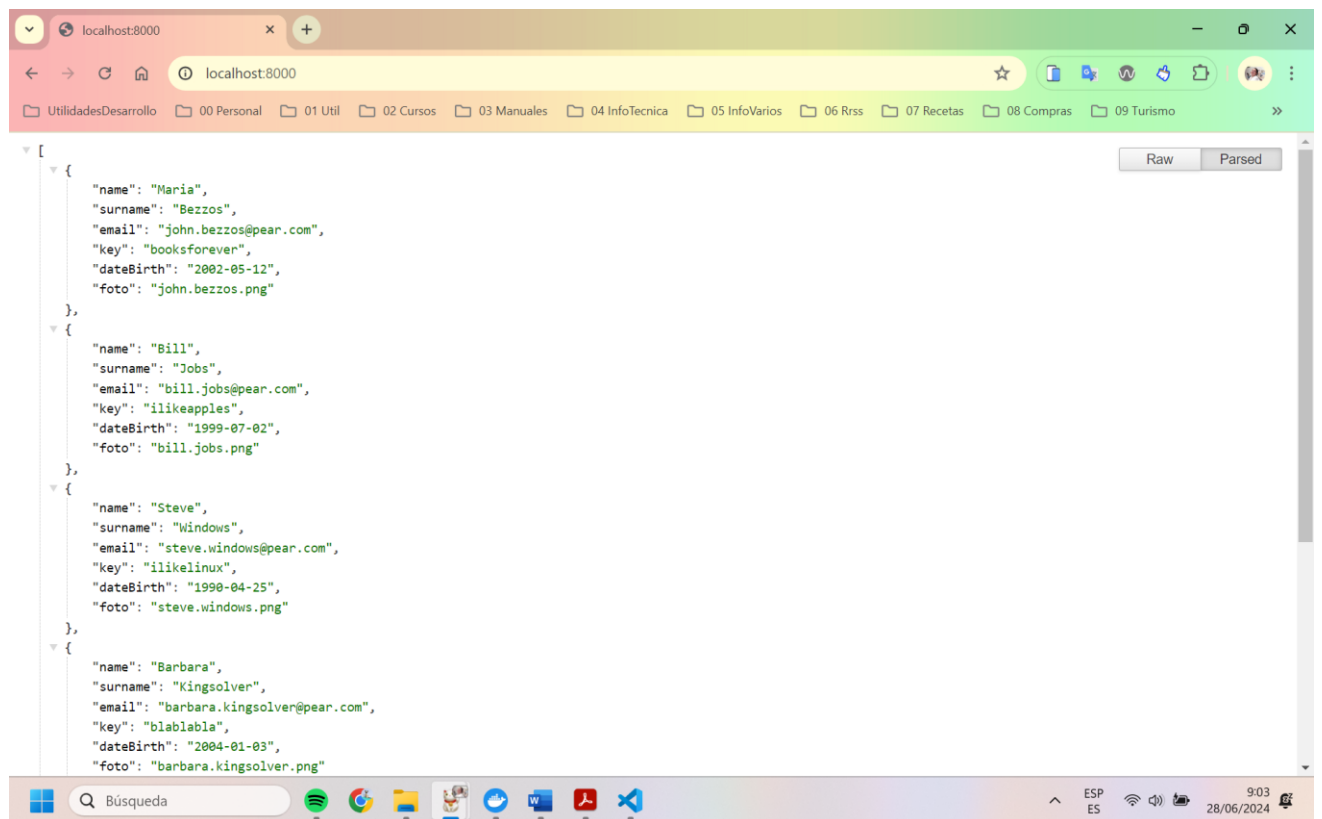


Lo compruebo

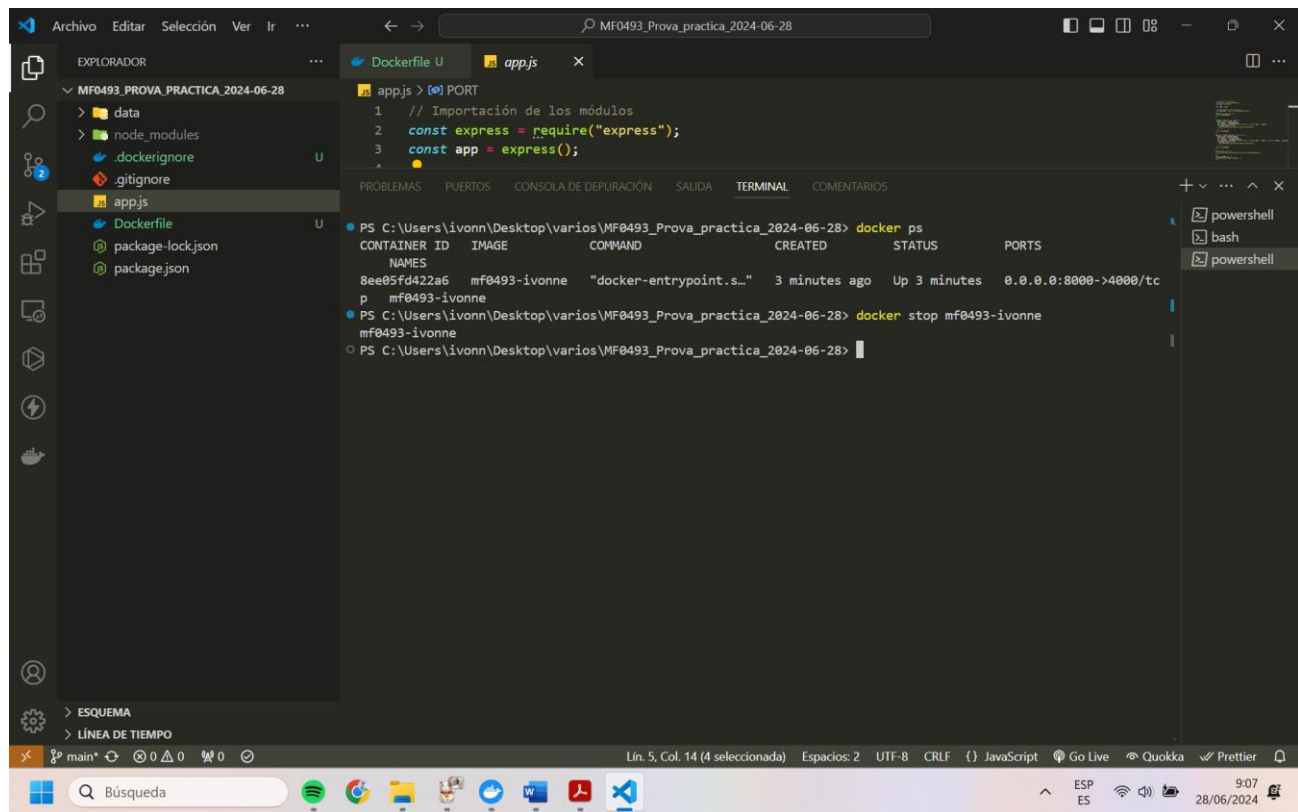
En el puerto 4000



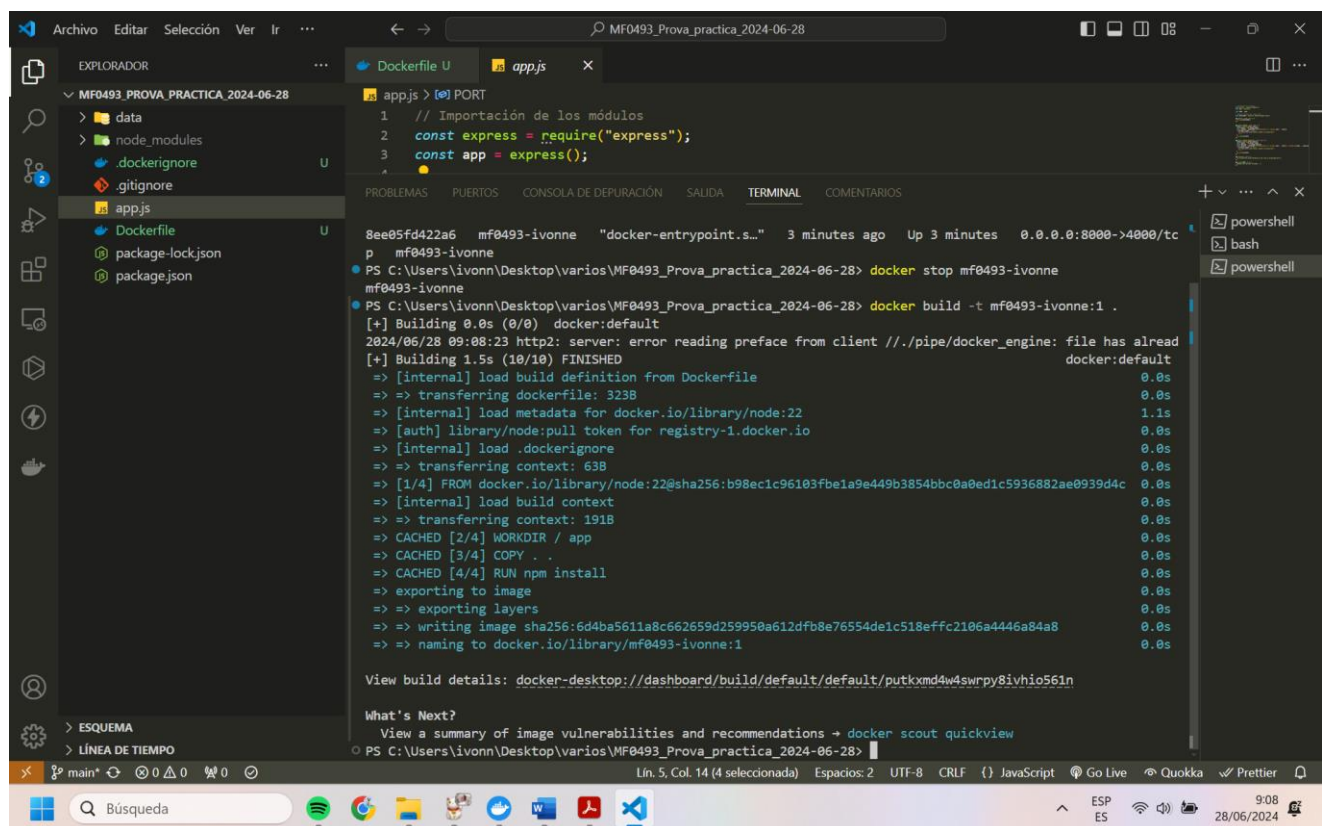
En el puerto 8000



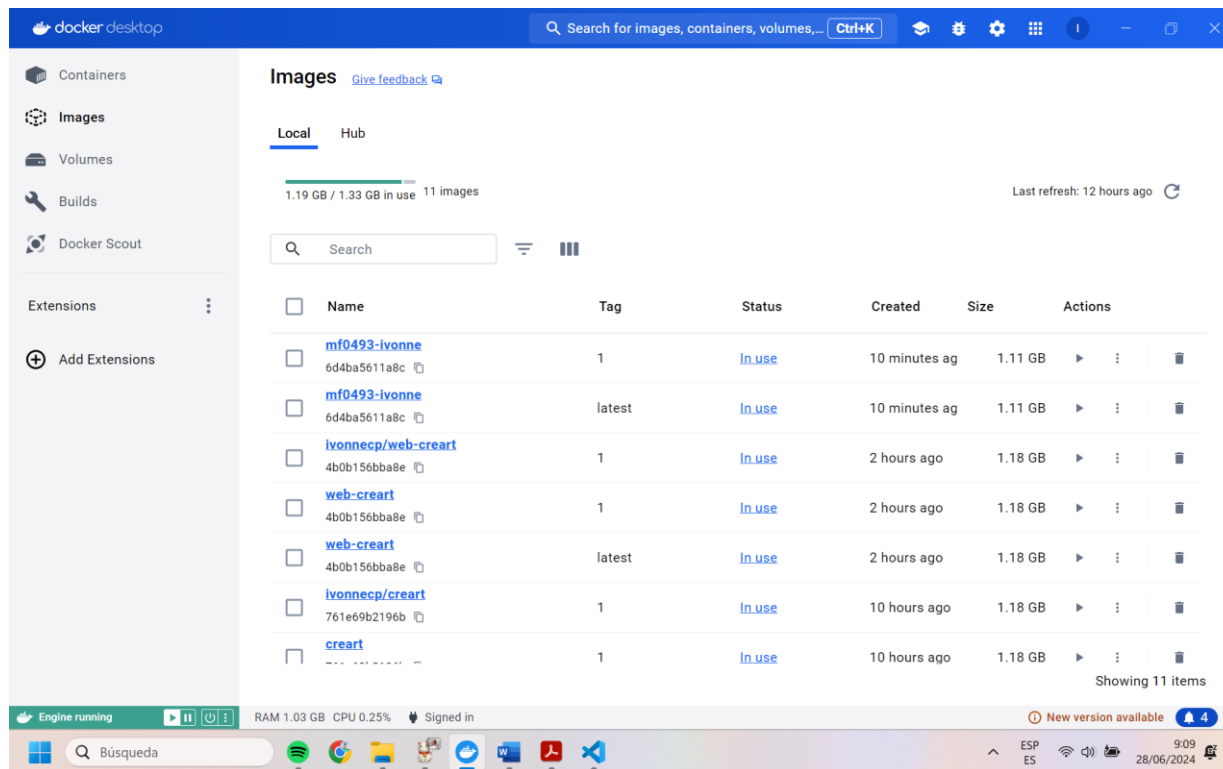
Paro desde otra terminal el contenedor para continuar



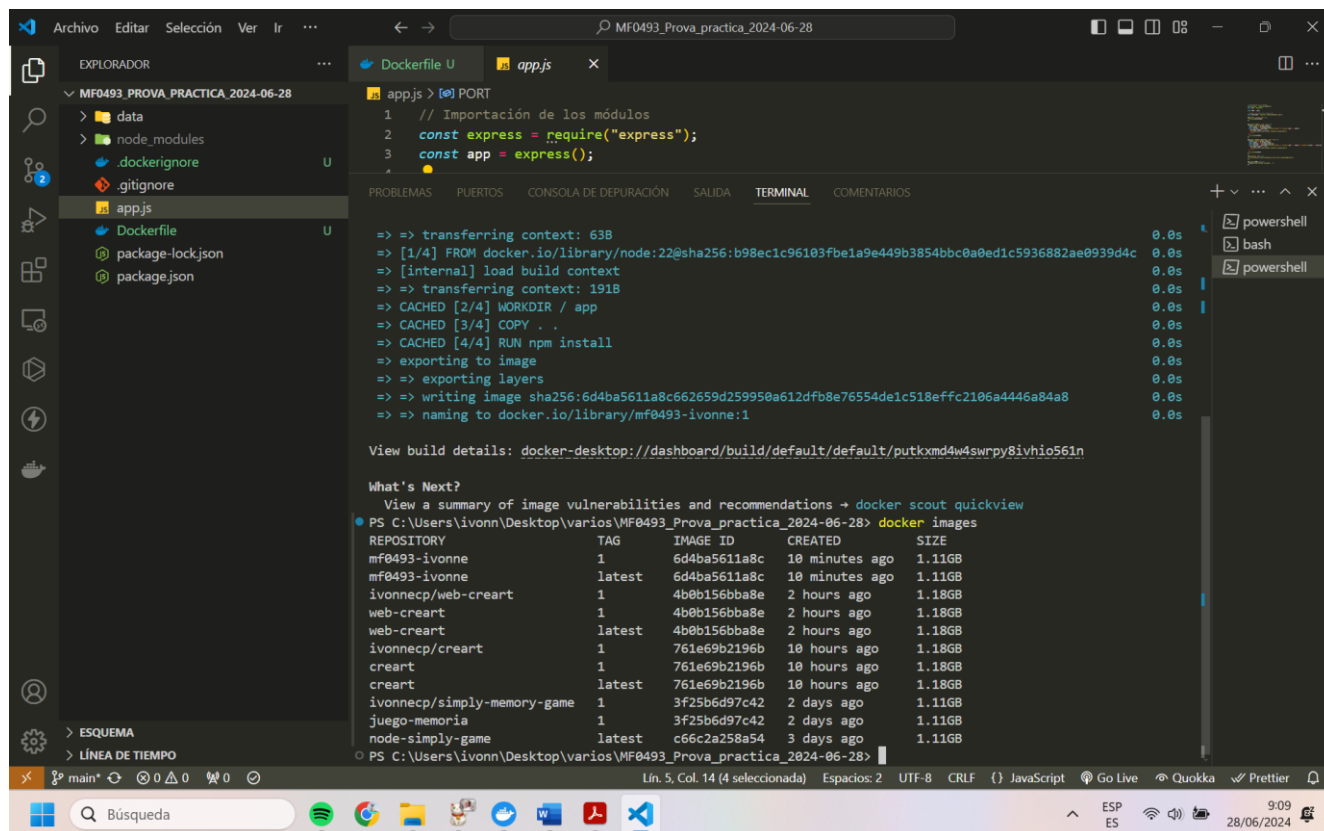
Cambio el tagname de la imagen



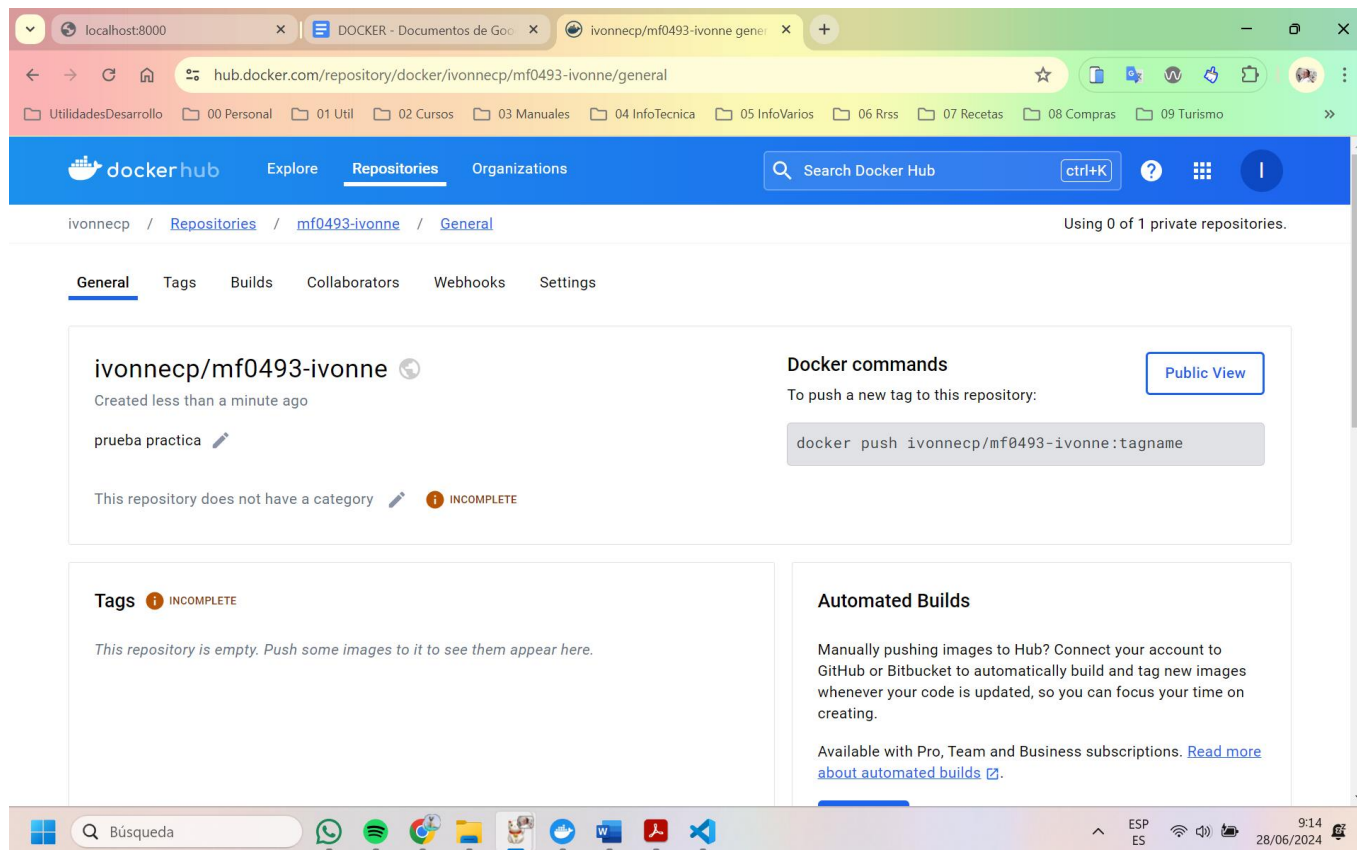
Lo confirmo



O por terminal: Docker images

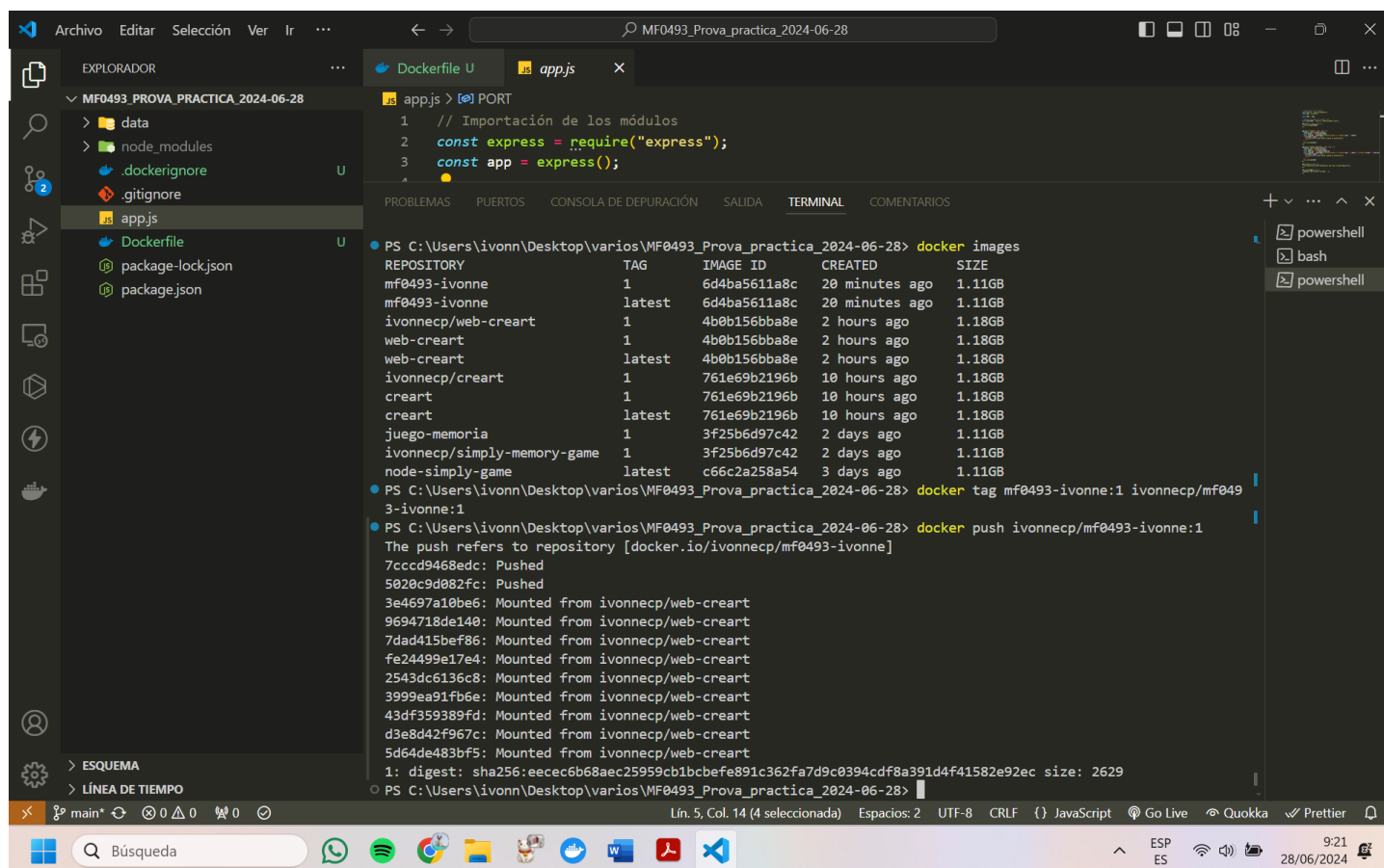


Hago un repositorio en Docker.hub

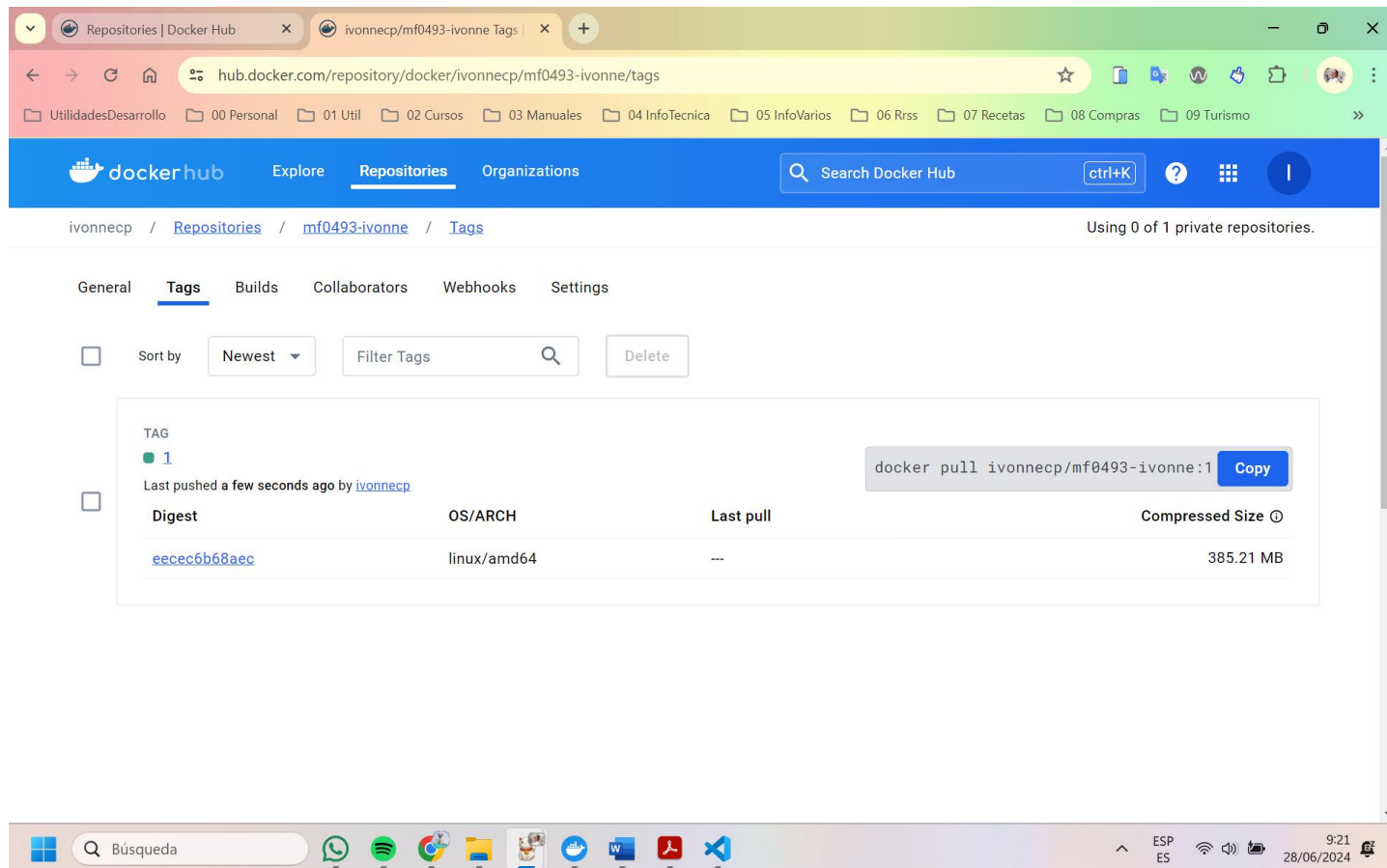


El enlace es: ivonnecp/mf0493-ivonne

Subo todo al repositorio de Docker,

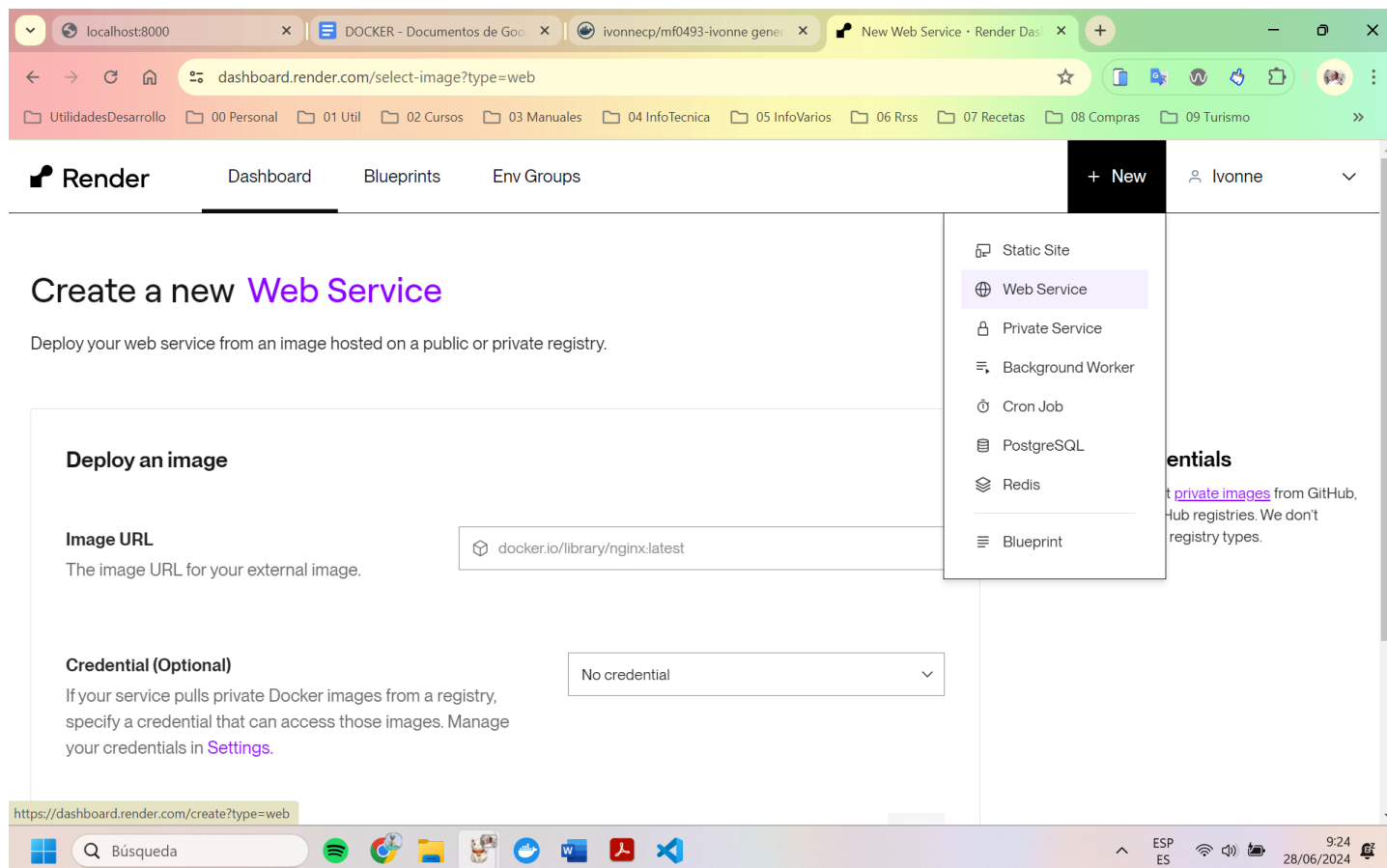


Compruebo que esta:

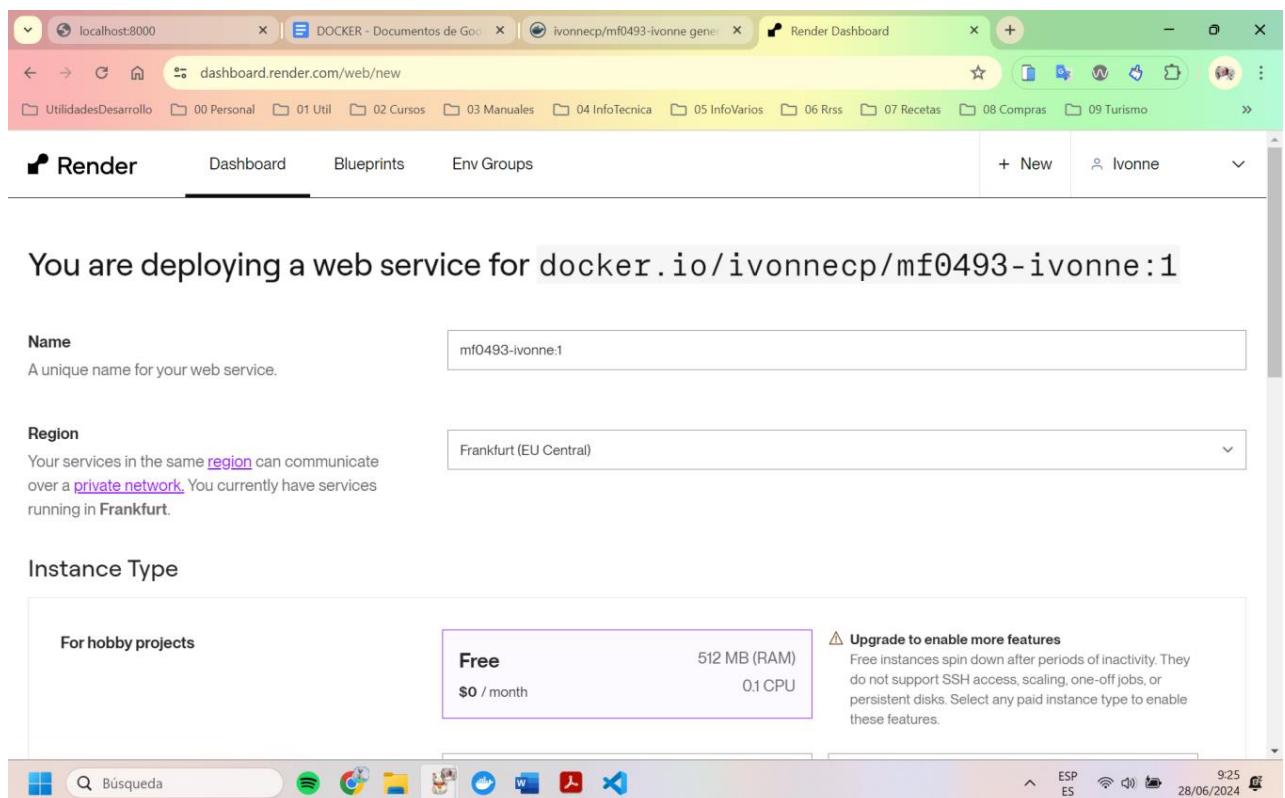
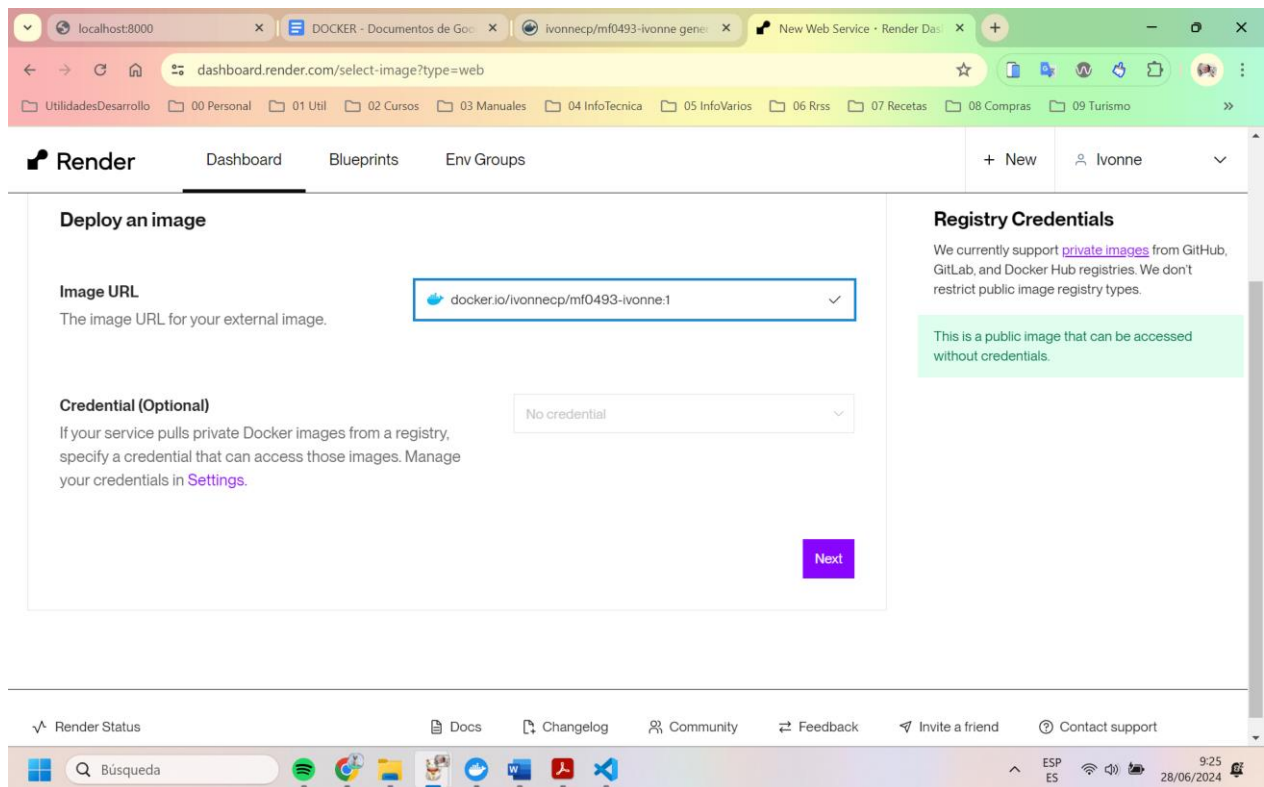


The screenshot shows the Docker Hub interface for the repository `ivonnecp/mf0493-ivonne`. The 'Tags' tab is selected, showing a single tag `1` pushed a few seconds ago by `ivonnecp`. The tag details include the digest `eecec6b68aec`, the OS/ARCH `linux/amd64`, and the compressed size `385.21 MB`. A terminal snippet shows the command `docker pull ivonnecp/mf0493-ivonne:1` with a 'Copy' button. The browser's address bar shows the URL `hub.docker.com/repository/docker/ivonnecp/mf0493-ivonne/tags`. The Windows taskbar at the bottom shows the time as 9:21 on 28/06/2024.

Parte 3: Despliegue en render.com



The screenshot shows the Render dashboard's 'Create a new Web Service' page. The 'Image URL' field is populated with `docker.io/library/nginx:latest`. The 'Credential (Optional)' dropdown is set to 'No credential'. A sidebar menu on the right lists various service types, with 'Web Service' selected. The page title is 'Create a new Web Service' and the subtitle is 'Deploy your web service from an image hosted on a public or private registry.' The browser's address bar shows the URL `https://dashboard.render.com/create?type=web`. The Windows taskbar at the bottom shows the time as 9:24 on 28/06/2024.



localhost:8000 x DOCKER - Documentos de Go x ivonnecp/mf0493-ivonne gene x Render Dashboard x +

dashboard.render.com/web/new

UtilidadesDesarrollo 00 Personal 01 Util 02 Cursos 03 Manuales 04 InfoTecnica 05 InfoVarios 06 Rrss 07 Recetas 08 Compras 09 Turismo >>

Render Dashboard Blueprints Env Groups + New Ivonne

You are deploying a web service for `docker.io/ivonnecp/mf0493-ivonne:1`

Name
A unique name for your web service.

mf0493-ivonne:1

Region
Your services in the same [region](#) can communicate over a [private network](#). You currently have services running in **Frankfurt**.

Frankfurt (EU Central)

Instance Type

For hobby projects

Free 512 MB (RAM) 0.1 CPU
\$0 / month

Upgrade to enable more features
Free instances spin down after periods of inactivity. They do not support SSH access, scaling, one-off jobs, or persistent disks. Select any paid instance type to enable these features.

Búsqueda

ESP ES 9:25 28/06/2024

GitHub - IvonneCaPa/MF0493... x ivonnecp/mf0493-ivonne gene x mf0493-ivonne:1 - Web Service x +

dashboard.render.com/web/srv-cpv6e2dds78s73ato7i0/deployments/dep-cpv6e2tds78s73ato7lg

UtilidadesDesarrollo 00 Personal 01 Util 02 Cursos 03 Manuales 04 InfoTecnica 05 InfoVarios 06 Rrss 07 Recetas 08 Compras 09 Turismo >>

Render Dashboard Blueprints Env Groups + New Ivonne

WEB SERVICE

mf0493-ivonne:1

Image Free Upgrade your instance →

Connect Manual Deploy

ivonnecp / mf0493-ivonne 1

<https://mf0493-ivonne-1.onrender.com>

Events

Logs

Disks

Environment

Shell

Previews

Jobs

Metrics

ⓘ Your free instance will spin down with inactivity, which can delay requests by 50 seconds or more. [Upgrade now](#)

June 28, 2024 at 9:32 AM ✓ Live

Deploy for eecec6b 1

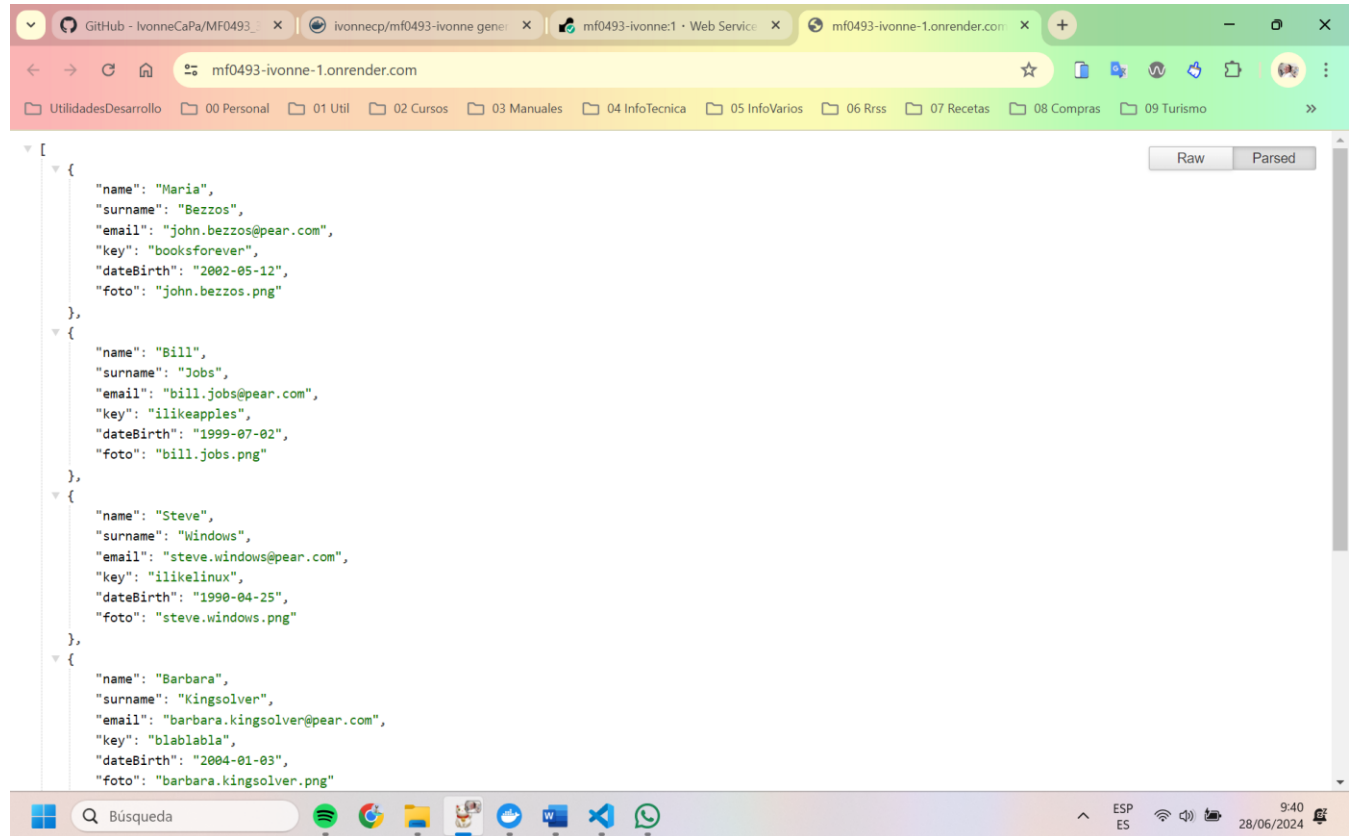
All logs Search Live tail GMT+2

```
Jun 28 09:34:07 AM > 2_express_repasa1.0.0 start
Jun 28 09:34:07 AM > node app.js
Jun 28 09:34:07 AM Servidor iniciado...
```

Búsqueda

ESP ES 9:40 28/06/2024

Lo compruebo



El enlace es: <https://mf0493-ivonne-1.onrender.com>

Enlaces:

Repositorio de Github:

<https://github.com/IvonneCaPa/MF0493> 3 Ivonne Cantor.git

Repositorio de Dockerhub:

ivonnecp/mf0493-ivonne

```
docker push ivonnecp/mf0493-ivonne:1
```

El enlace:

<https://mf0493-ivonne-1.onrender.com>