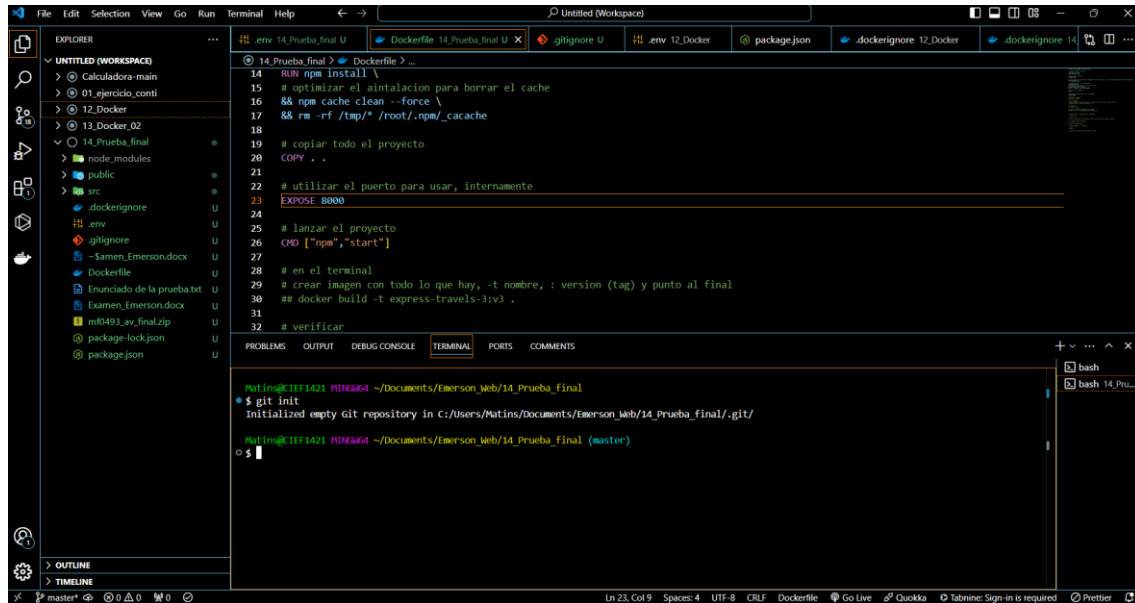


Parte 1 GITHUB

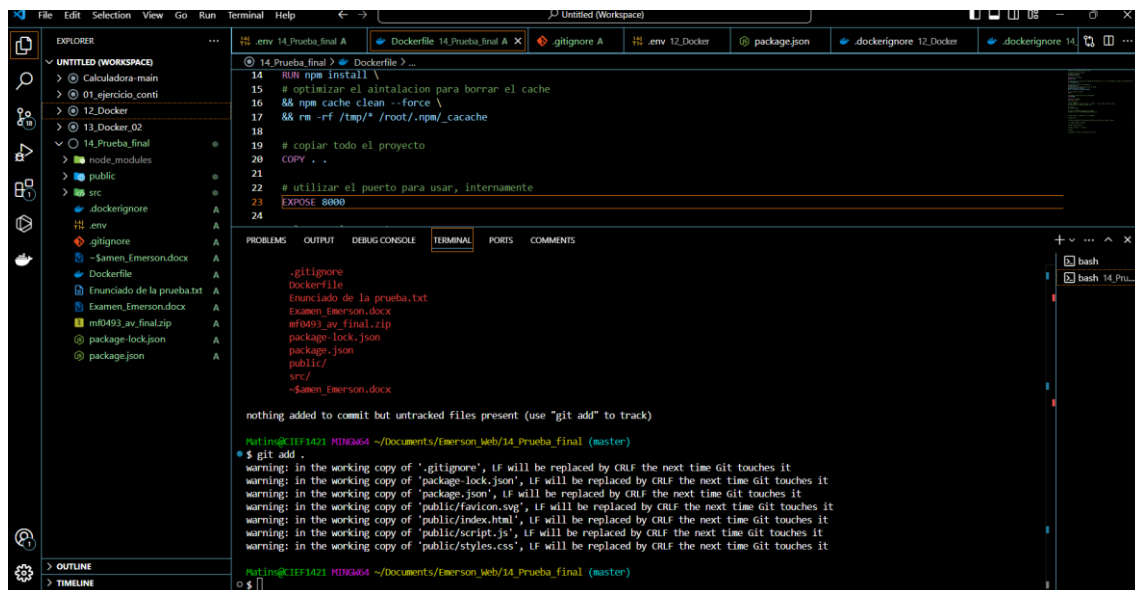


The screenshot shows the VS Code interface with a workspace named 'Untitled (Workspace)'. The Explorer panel on the left shows a file tree for '14.Prueba_final' with files like 'node_modules', 'public', 'src', 'dockerignore', '.env', '.gitignore', '-\$amen_Emerson.docx', 'Dockerfile', 'Enunciado de la prueba.txt', 'Examen_Emerson.docx', 'm0493_av_final.zip', 'package-lock.json', and 'package.json'. The Dockerfile in the main editor contains the following content:

```
14 14.Prueba_final > Dockerfile > ...
15 # optimizar el aintalacion para borrar el cache
16 && npm cache clean --force \
17 && rm -rf /tmp/* /root/.npm/_cacache
18
19 # copiar todo el proyecto
20 COPY . .
21
22 # utilizar el puerto para usar, internamente
23 EXPOSE 8000
24
25 # lanzar el proyecto
26 CMD ["npm", "start"]
27
28 # en el terminal
29 # crear imagen con todo lo que hay, -t nombre, : version (tag) y punto al final
30 ## docker build -t express-travels-3:v3 .
31
32 # verificar
```

The terminal at the bottom shows the following commands and output:

```
Matins@IEF1421 MINGW64 ~/Documents/Emerson_web/14_Prueba_final
$ git init
Initialized empty Git repository in C:/Users/Matins/Documents/Emerson_web/14_Prueba_final/.git/
Matins@IEF1421 MINGW64 ~/Documents/Emerson_web/14_Prueba_final (master)
$
```



The screenshot shows the VS Code interface with a workspace named 'Untitled (Workspace)'. The Explorer panel on the left shows a file tree for '14.Prueba_final' with files like 'node_modules', 'public', 'src', 'dockerignore', '.env', '.gitignore', '-\$amen_Emerson.docx', 'Dockerfile', 'Enunciado de la prueba.txt', 'Examen_Emerson.docx', 'm0493_av_final.zip', 'package-lock.json', and 'package.json'. The Dockerfile in the main editor contains the following content:

```
14 14.Prueba_final > Dockerfile > ...
15 # optimizar el aintalacion para borrar el cache
16 && npm cache clean --force \
17 && rm -rf /tmp/* /root/.npm/_cacache
18
19 # copiar todo el proyecto
20 COPY . .
21
22 # utilizar el puerto para usar, internamente
23 EXPOSE 8000
24
```

The terminal at the bottom shows the following commands and output:

```
Matins@IEF1421 MINGW64 ~/Documents/Emerson_web/14_Prueba_final (master)
$ git add .
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it
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
warning: in the working copy of 'public/favicon.svg', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'public/index.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'public/script.js', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'public/styles.css', LF will be replaced by CRLF the next time Git touches it
Matins@IEF1421 MINGW64 ~/Documents/Emerson_web/14_Prueba_final (master)
$
```

This screenshot shows the initial setup of a Docker project in VS Code. The Explorer on the left displays the file structure, including a Dockerfile and various configuration files. The Dockerfile in the center contains instructions for installing npm, cleaning the cache, copying the project, and exposing port 8000. The terminal on the right shows the execution of a git commit command, listing 18 files changed and 1585 insertions.

```
14 RUN npm install \
15 # optimizar el aintalacion para borrar el cache
16 && npm cache clean --force \
17 && rm -rf /tmp/* /root/.npm/_cacache
18
19 # copiar todo el proyecto
20 COPY . .
21
22 # utilizar el puerto para usar, internamente
23 EXPOSE 8000
24
```

```
Martín@CEF1421 MINGW64 ~/Documents/EmersonWeb/14_Prueba_final (master)
$ git commit -m "subiendo Archivo prueba 1"
[master (root-commit) 874b6c9] subiendo Archivo prueba 1
18 files changed, 1585 insertions(+)
create mode 100644 .dockerignore
create mode 100644 .env
create mode 100644 .gitignore
create mode 100644 Dockerfile
create mode 100644 Enunciado de la prueba.txt
create mode 100644 Examen_Emerson.docx
create mode 100644 mf0493_av_final.zip
create mode 100644 package-lock.json
create mode 100644 package.json
create mode 100644 public/favicon.ico
create mode 100644 public/favicon.svg
create mode 100644 public/index.html
create mode 100644 public/script.js
create mode 100644 public/styles.css
create mode 100644 src/.dockerignore
create mode 100644 src/Dockerfile
create mode 100644 src/index.js
create mode 100644 ~$amen_Emerson.docx
```

This screenshot shows the next step in the workflow, where a new git branch named 'master' is created. The terminal output confirms the successful creation of the branch.

```
Martín@CEF1421 MINGW64 ~/Documents/EmersonWeb/14_Prueba_final (master)
$ git branch -M master
Martín@CEF1421 MINGW64 ~/Documents/EmersonWeb/14_Prueba_final (master)
$
```

This screenshot shows the final step in the workflow, where a remote repository is added to the local git configuration. The terminal output shows the successful addition of the remote origin.

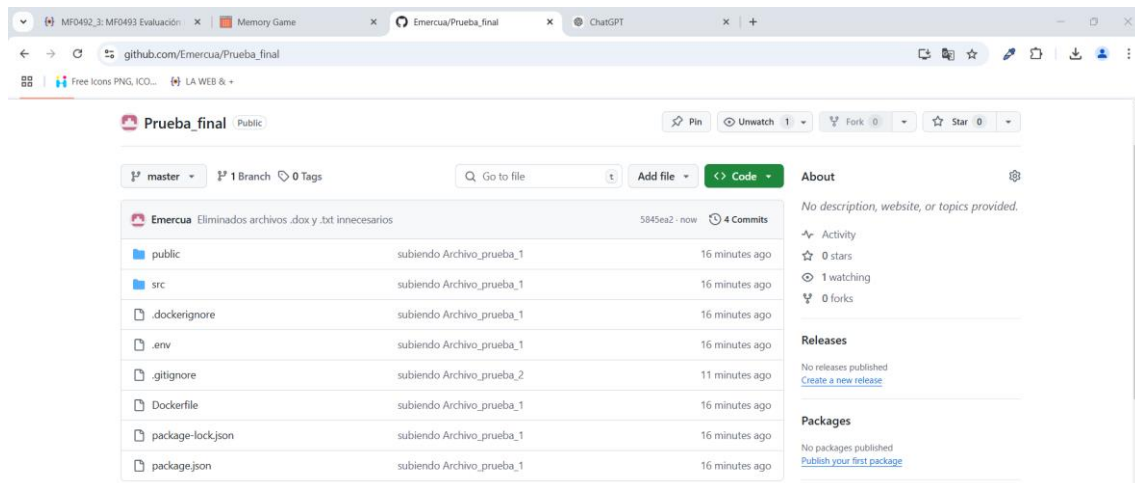
```
Martín@CEF1421 MINGW64 ~/Documents/EmersonWeb/14_Prueba_final (master)
$ git branch -M master
Martín@CEF1421 MINGW64 ~/Documents/EmersonWeb/14_Prueba_final (master)
$ git remote add origin https://github.com/Emercua/prueba_final.git
Martín@CEF1421 MINGW64 ~/Documents/EmersonWeb/14_Prueba_final (master)
$
```

The screenshot shows the VS Code editor interface. The Explorer sidebar on the left displays the project structure for '14.Prueba_final', including files like 'Calculadora-main', '01.ejercicio_conti', '12.Docker', '13.Docker_02', 'node_modules', 'public', 'src', '.dockerignore', '.env', '.gitignore', '\$amen,Emerson.docx', 'Dockerfile', 'Enunciado de la prueba.txt', 'Examen,Emerson.docx', 'm0493_av_final.zip', 'package-lock.json', and 'package.json'. The main editor area shows the 'Dockerfile' for '14.Prueba_final' with the following content:

```
14 RUN npm install \
15 # optimizar el aintalacion para borrar el cache
16 && npm cache clean --force \
17 && rm -rf /tmp/* /root/.npm/_cacache
18
19 # copiar todo el proyecto
20 COPY . .
21
22 # utilizar el puerto para usar, internamente
23 EXPOSE 8000
24
```

Below the Dockerfile, the TERMINAL panel shows the following commands and output:

```
* $ git branch -M master
Autins@CEF1421 MINGW64 ~/Documents/Emerson_web/14_Prueba_final (master)
* $ git remote add origin https://github.com/Emercua/Prueba_final.git
Autins@CEF1421 MINGW64 ~/Documents/Emerson_web/14_Prueba_final (master)
* $ git push -u origin master
fatal: User cancelled dialog.
Enumerating objects: 22, done.
Counting objects: 100% (22/22), done.
Delta compression using up to 8 threads
Compressing objects: 100% (18/18), done.
Writing objects: 100% (22/22), 35.46 KiB | 2.36 MiB/s, done.
Total 22 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/emercua/prueba_final.git
 * [new branch] master -> master
branch 'master' set up to track 'origin/master'.
Autins@CEF1421 MINGW64 ~/Documents/Emerson_web/14_Prueba_final (master)
* $ git push -u origin master
branch 'master' set up to track 'origin/master'.
Everything up-to-date
Autins@CEF1421 MINGW64 ~/Documents/Emerson_web/14_Prueba_final (master)
o $
```



Enlace:

https://github.com/Emercua/Prueba_final

Parte 2 DOCKER y DOCKERHUB

The screenshot shows the VS Code interface with a project named '14.Prueba_final'. The Explorer sidebar on the left shows the file structure. The main editor displays a Dockerfile with the following content:

```
1 # Indicar que imagen queremos utilizar
2
3 # version de note a utilizar
4 # imagen a utilizar
5 FROM node:23.1-slim
6
7 # directorio de trabajo
8 WORKDIR /app
9
```

The TERMINAL panel at the bottom shows the command `docker build -t prueba_final .` and its output, including the build progress and the resulting image ID `sha256:84fa51f3c81d487add1ff89470818832baf2801803dec6a2146850bde9119f3`.

The screenshot shows the VS Code interface with the same project. The Dockerfile is now complete with the following content:

```
27
28 # en el terminal
29 # crear imagen con todo lo que hay, -t nombre, : version (tag) y punto al final
30 ## docker build -t express-travels:3:v3 .
31
32 # verificar
33 ## docker images
34
35 # crear el contenedor ejecucion de la imagen
36 ## docker run -it -p 4444:5000 express-travels:v3
37
38
39 # docker login -u 'emersoncr1' -p 'contrad01'
40
41 # docker push
42
```

The TERMINAL panel shows the command `docker run -p 8000:8000 prueba_final` and its output, including the container ID `example_node_docker@1.0.0` and the server status `Servidor web arrancat a http://localhost:8000`.

Containers

Images

Volumes

Builds

Docker Scout

Extensions

Containers

Container CPU usage

0.00% / 800% (8 CPUs available)

Container memory usage

66.36MB / 3.64GB

Show charts

Search

Only show running containers

	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
☐	exciting_mahavira	3fa20484b1d5	prueba_final	8000:8000	0%	2 minutes ago	

Showing 1 item

Engine running

RAM 1.26 GB CPU 0.00% Disk 1023.05 GB avail. of 1081.10 GB

Terminal

New version available

1

Containers

Images

Volumes

Builds

Docker Scout

Extensions

Images

Local

Hub

249.05 MB / 1.48 GB in use

1 images

Last refresh: 38 minutes ago

Search

	Name	Tag	Image ID	Created	Size	Actions
☐	prueba_final	latest	ea856e3492f5	2 minutes ago	329.54 MB	

Showing 1 item

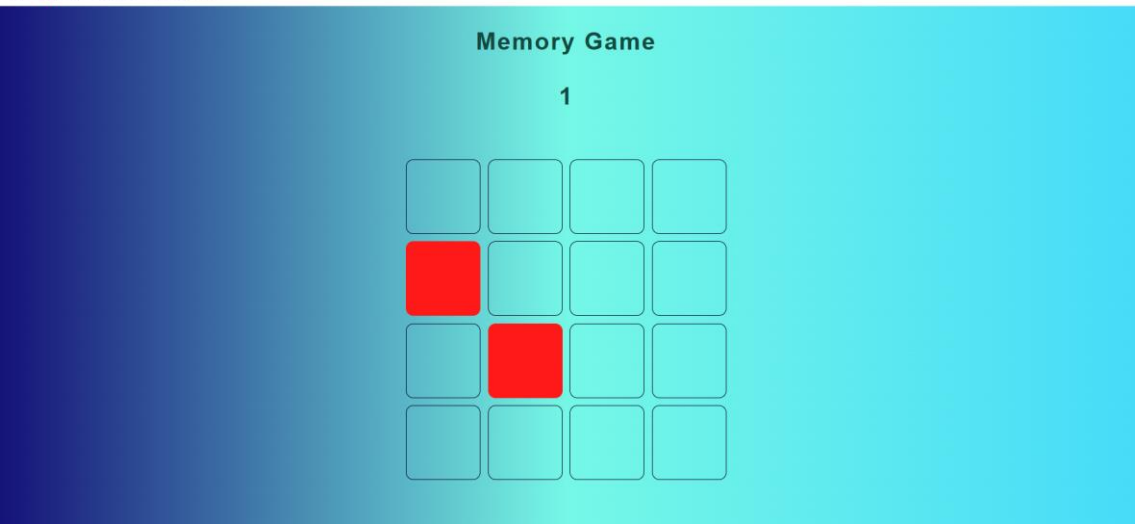
Engine running

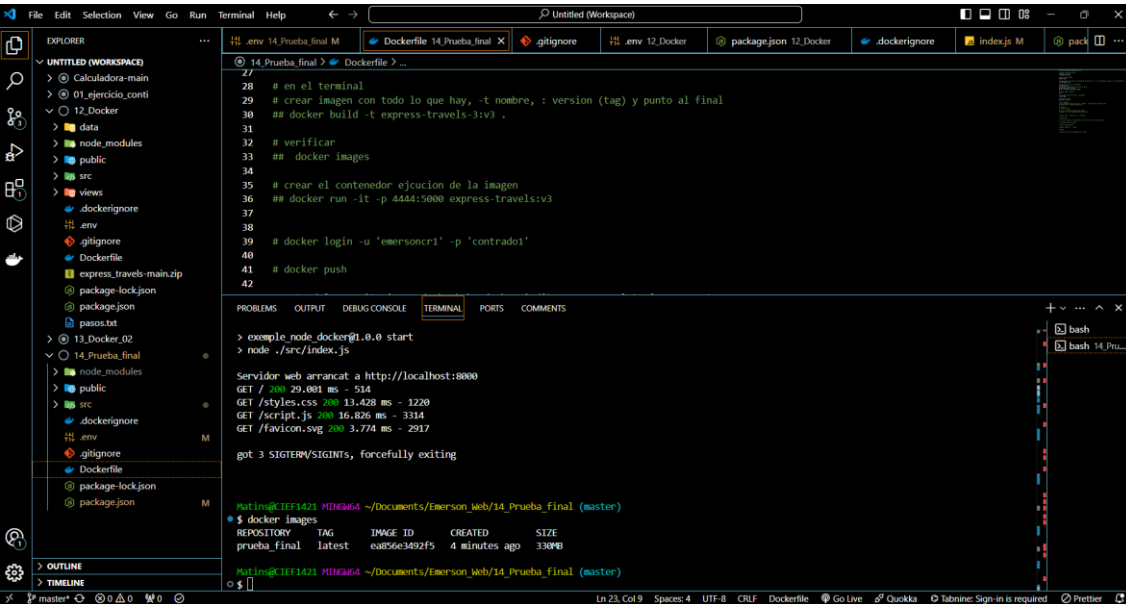
RAM 1.26 GB CPU 0.12% Disk 1023.05 GB avail. of 1081.10 GB

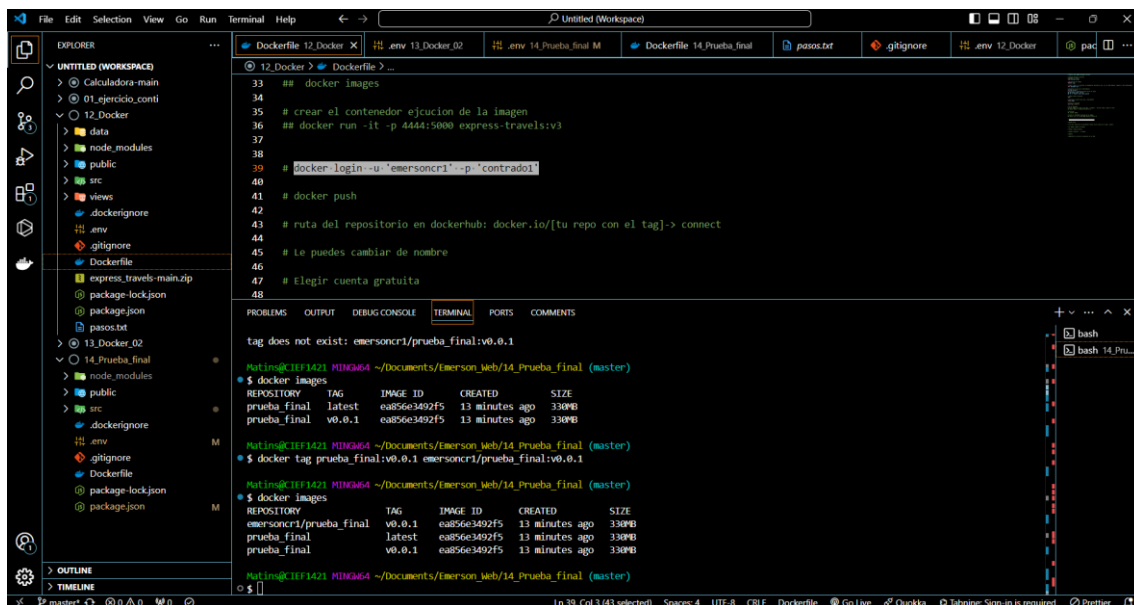
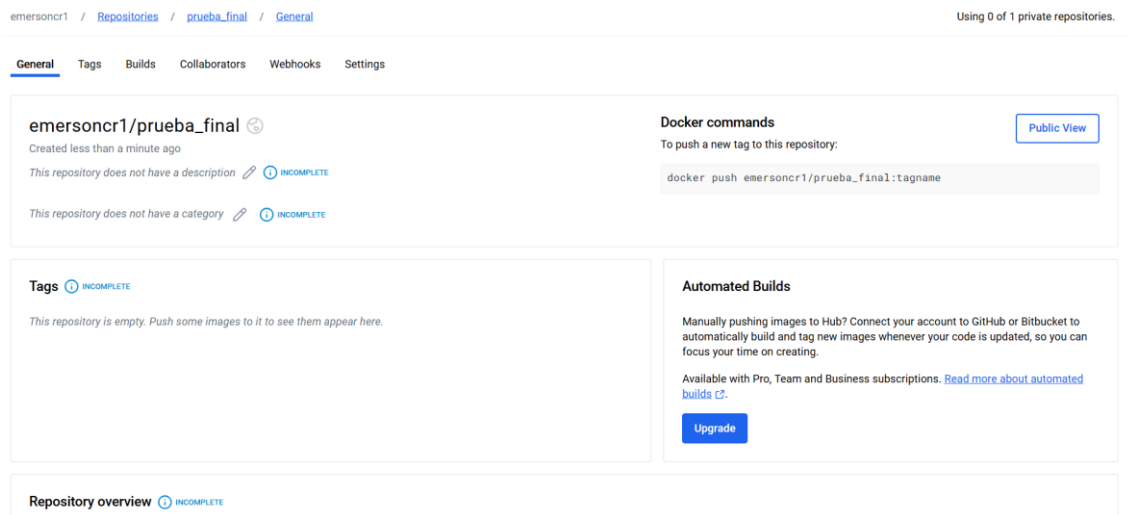
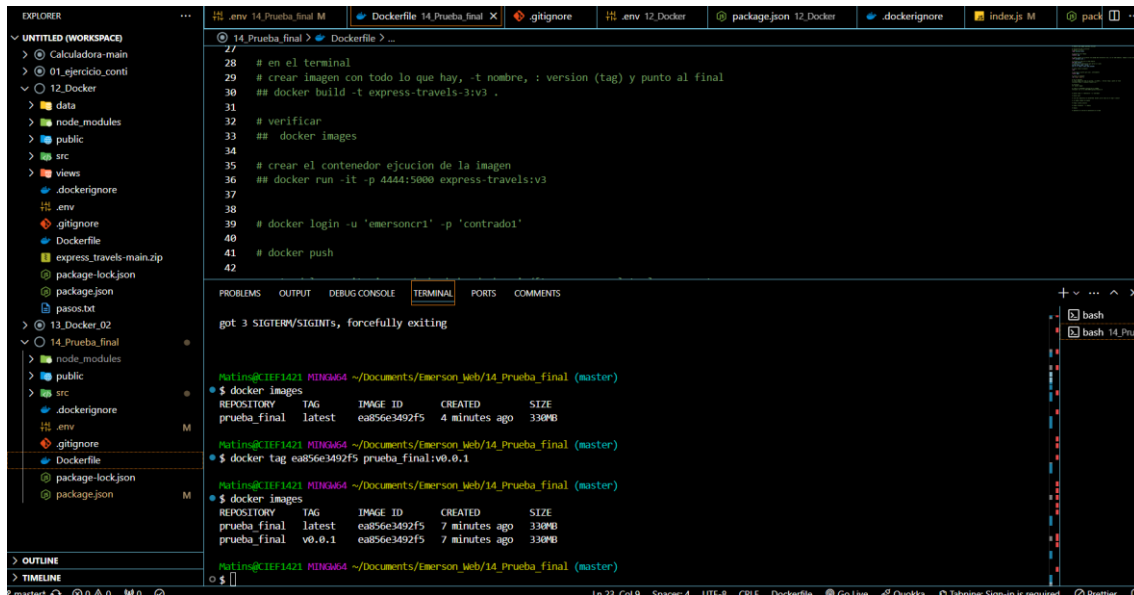
Terminal

New version available

1







The screenshot shows a VS Code editor with a workspace named 'Untitled (Workspace)'. The Explorer panel on the left shows a project structure with files like 'Dockerfile', 'package-lock.json', and 'package.json'. The main editor area displays a Dockerfile with the following content:

```
33 ## docker images
34
35 # crear el contenedor ejecución de la imagen
36 ## docker run -it -p 4444:5000 express-travels:v3
37
38
39 # docker login -u 'emersoncr1' -p 'contrad01'
40
41 # docker push
42
43 # ruta del repositorio en dockerhub: docker.io/[tu repo]-> connect
44
45 # te puedes cambiar de nombre
46
47 # Elegir cuenta gratuita
48
```

The terminal at the bottom shows the output of the Docker commands:

```
prueba_final latest ea856e3492f5 13 minutes ago 330MB
prueba_final v0.0.1 ea856e3492f5 13 minutes ago 330MB

Mint@Mint364 ~/Documents/Emerson_Jeb/14_Prueba_Final (master)
$ docker push emersoncr1/prueba_final:v0.0.1
The push refers to repository [docker.io/emersoncr1/prueba_final]
b00965900e59: Pushed
7da24f4b8d44: Mounted from emersoncr1/express-travels-3
d212f687a707: Mounted from emersoncr1/express-travels-3
7329e3eakc60: Pushed
ee29de6ac183: Pushed
5c82626eebd: Pushed
593492f73912: Mounted from emersoncr1/express-travels-3
85c5cdd0333: Mounted from emersoncr1/express-travels-3
2d429b9e73a6: Mounted from emersoncr1/express-travels-3
3a45e26a1412: Mounted from emersoncr1/express-travels-3
v0.0.1: digest: sha256:ea856e3492f52cd495b166bed4f0e83a2b952c8dcdcafe1e7b9c5a081276126 size: 856

Mint@Mint364 ~/Documents/Emerson_Jeb/14_Prueba_Final (master)
$
```

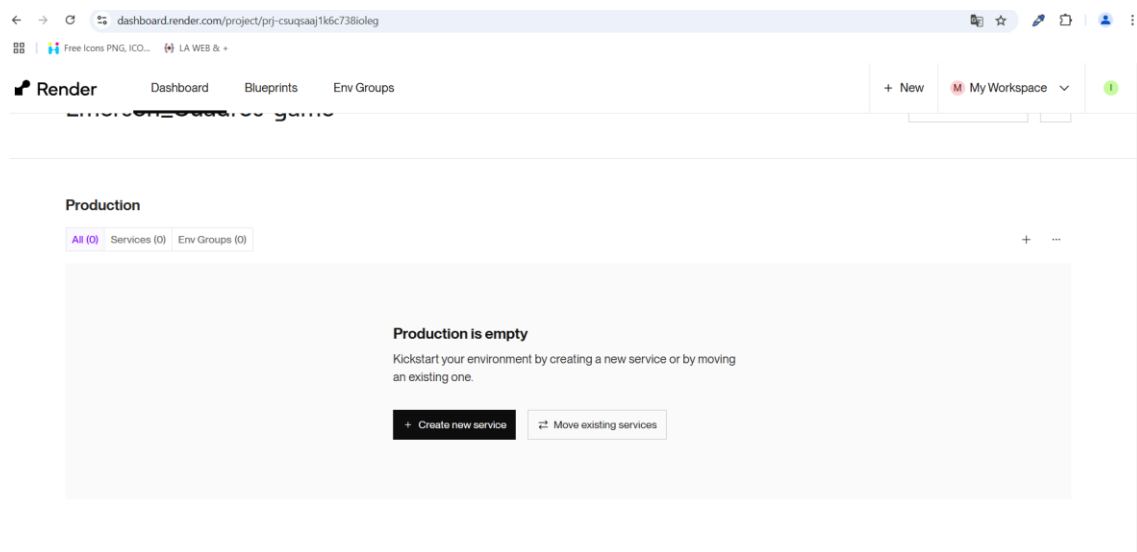
The screenshot shows the Docker Hub repository page for `emersoncr1/prueba_final`. The page includes the following sections:

- Repository Information:** Shows the repository name, last pushed time (1 minute ago), and a note that the repository does not have a description or category.
- Docker commands:** Provides a command to push a new tag: `docker push emersoncr1/prueba_final:tagname`.
- Tags:** Lists the available tags, showing `v0.0.1` as the only tag, with its OS, type, and pushed time.
- Automated Builds:** A section explaining how to set up automated builds and a button to upgrade.
- Repository overview:** A section with a button to add an overview.

Link:

https://hub.docker.com/repository/docker/emersoncr1/prueba_final/general

Parte 3 DESPLIEGUE EN RENDER



The screenshot shows the 'You are deploying a Web Service' form. The 'Source Code' section has three tabs: 'Git Provider', 'Public Git Repository', and 'Existing Image'. The 'Image URL' field is populated with `docker.io/emersoncrt/prueba_final-v0.01`. The 'Credential (Optional)' dropdown is set to 'No credential'. A 'Connect' button is visible. Below this, the 'Name' field is empty, with a placeholder 'example-web-service-name'. The 'Project' field is also empty, with a placeholder 'Select a project...'. The 'Environment' field is empty, with a placeholder 'Select an environment...'.

Render

DashboardBlueprintsEnv Groups

+ NewMy Workspace

Events
Logs
Disks
Environment
Shell
Previews
Jobs
Metrics
Scaling
Settings

Settings

General

Name
A unique name for your Web Service.

Emerson_cuadros-game

Edit

Region
Your services in the same [region](#) can communicate over a [private network](#).

Frankfurt (EU Central)

Instance Type

Free0.1 CPU512 MB

Update

Please ask the owner (ingecuadros1@gmail.com) to enter their payment information.

See [remaining free usage](#), or learn about [free service limits](#).

← → ↺ dashboard.render.com/web/new

Free Icons PNG, ICO...LA WEB & +

Render

DashboardBlueprintsEnv Groups

+ NewMy Workspace

Name
A unique name for your web service.

Emerson_cuadros-game

Name is already in use

Project Optional
Add this web service to a [project](#) once it's created.

Select a project...

/

Select an environment...

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

Frankfurt (EU Central)

3 existing services

Deploy in a new region +

Instance Type

For hobby projects

Free

512 MB (RAM)

\$0 / month

0.1 CPU

For professional use

Starter

512 MB (RAM)

Standard

2 GB (RAM)

← → ↺ dashboard.render.com/web/srv-csur0j647c73812rig/deployments/dep-csur0kd647c73812rng

Free Icons PNG, ICO...LA WEB & +

Render

DashboardBlueprintsEnv Groups

+ NewMy Workspace

Your free instance will spin down with inactivity, which can delay requests by 50 seconds or more.

Upgrade now

November 20, 2024 at 10:48 AM

In Progress

Cancel deploy

All logs

Search

Live tail

GMT+1

↑

↗

Nov 20 10:48:03 AM

Starting service...

Nov 20 10:48:12 AM

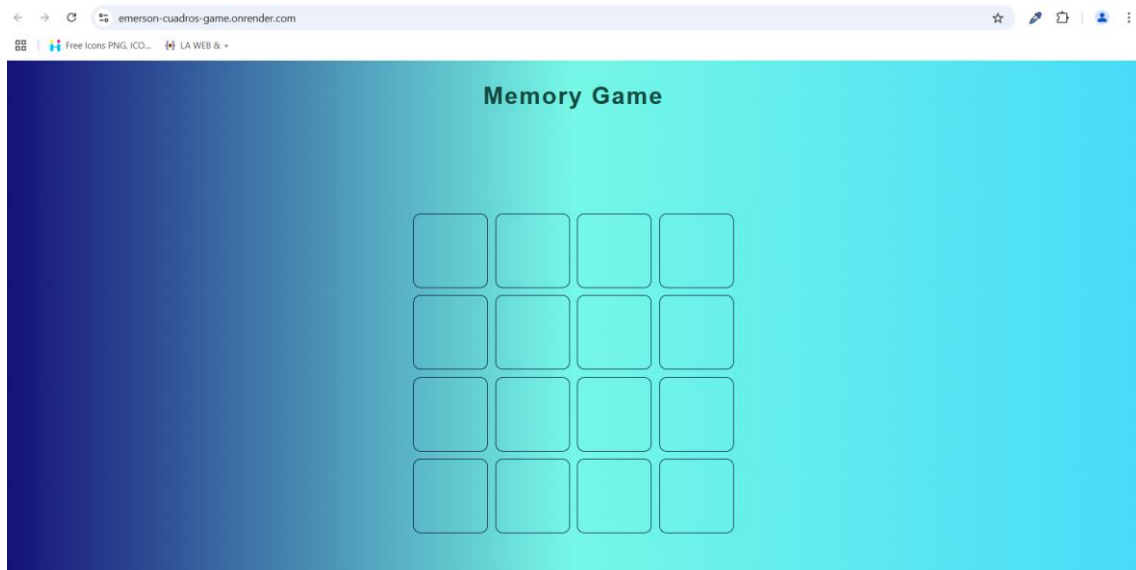
example_node_docker1.0.0 start

Nov 20 10:48:12 AM

node ./src/index.js

Nov 20 10:48:12 AM

Server web arrancat a http://localhost:10000



Link:

<https://emerson-cuadros-game.onrender.com/>