

Ejercicio 02 Construye una imagen de Angular

- Hello World en Docker

The image displays three sequential screenshots of a development environment, illustrating the steps to run a Docker container and build an Angular application.

Top Screenshot: Shows a Google Docs document titled "Ejercicio 02 Construye una imagen de Angular". The document lists the following steps:

- Crear una carpeta de trabajo para la unidad 4
- Hello World en Docker
 - Ejecutar el comando `sudo docker pull hello-world`
 - Listar las imágenes `sudo docker images`
 - Ejecutar imagen Hello-World `sudo docker run hello-world`
- Crear una aplicación Angular llamada `ejer02_<nombre_usuario>` dentro de la carpeta de trabajo, utiliza el estilo `SCSS`, y habilita el routing de la aplicación. Ejecutar el siguiente comando `ng new ejer02_gbarro --style=scss --routing`

The terminal window on the right shows the execution of these commands:

```
thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero$ sudo docker pull hello-world
[sudo] password for thedriver:
Using default tag: latest
latest: Pulling from library/hello-world
719385e32844: Pull complete
Digest: sha256:a13ec89cdf897b3e551bd9f89d499db6ff3a7f44c5b9eb8bca48da20eb4ea1fa
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest

What's Next?
View summary of image vulnerabilities and recommendations - docker scout quickv
lew hello-world
thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero$
```

Middle Screenshot: Shows the same Google Docs document with the same steps. The terminal window now shows the output of `sudo docker images`:

```
thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
hello-world latest 9c7a54a9a43c 2 months ago 13.3kB
thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero$
```

Bottom Screenshot: Shows the same Google Docs document. The terminal window shows the output of `sudo docker run hello-world`:

```
thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero$ sudo docker run hello-world
Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
   (amd64)
3. The Docker daemon created a new container from that image which runs the
   executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
   to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/
thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero$
```

Unl...
Archivo

Solicitar permiso para editar

Ejecutar imagen Hello-World

```
sudo docker run hello-world
```

Crear una aplicación Angular llamada `ejer02_<nombre_usuario>` dentro de la carpeta de trabajo, utilices el estilo `SCSS`, y habilite el routing de la aplicación. Ejecutar el siguiente comando

```
ng new ejer02_gbaron --style=scss --routing
```

Iniciar el servidor de la aplicación recién creada.

thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero1

```
latest: Pulling from library/hello-world
19385632844: Pull complete
Digest: sha256:a13ec89cdf897b3e551bd9f89d499db6ff3a7f44c5b9eb8bca40da20eb4ealfa
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest

What's Next?
View summary of image vulnerabilities and recommendations - docker scout quickv
lew hello-world

thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero1
sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
hello-world latest 9c705409a3c 2 months ago 13.3kB

thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero1
sudo docker run hello-world

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
   (amd64)
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For more examples and ideas, visit:
https://docs.docker.com/get-started/

thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero1
```

thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero1

```
thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero1
sudo docker ps
thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero1
thedriver@thedriver-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero1
ng new ejer02_iguerrero --style=scss --routing
CREATE ejer02_iguerrero/README.md (1069 bytes)
CREATE ejer02_iguerrero/editorconfig (274 bytes)
CREATE ejer02_iguerrero/.gitignore (548 bytes)
CREATE ejer02_iguerrero/angular.json (2924 bytes)
CREATE ejer02_iguerrero/package.json (1047 bytes)
CREATE ejer02_iguerrero/tsconfig.json (981 bytes)
CREATE ejer02_iguerrero/tsconfig.app.json (283 bytes)
CREATE ejer02_iguerrero/tsconfig.spec.json (273 bytes)
CREATE ejer02_iguerrero/.vscode/extensions.json (138 bytes)
CREATE ejer02_iguerrero/.vscode/launch.json (470 bytes)
CREATE ejer02_iguerrero/.vscode/tasks.json (938 bytes)
CREATE ejer02_iguerrero/src/favicons (948 bytes)
CREATE ejer02_iguerrero/src/index.html (381 bytes)
CREATE ejer02_iguerrero/src/styles.scss (88 bytes)
CREATE ejer02_iguerrero/src/app/app-routing.module.ts (245 bytes)
CREATE ejer02_iguerrero/src/app/app.module.ts (393 bytes)
CREATE ejer02_iguerrero/src/app/app.component.scss (0 bytes)
CREATE ejer02_iguerrero/src/app/app.component.html (2215 bytes)
CREATE ejer02_iguerrero/src/app/app.component.spec.ts (1021 bytes)
CREATE ejer02_iguerrero/src/app/app.component.ts (221 bytes)
CREATE ejer02_iguerrero/src/assets/.gitkeep (0 bytes)
Installing packages (npm)...
```

practic... x Unidad 3 Automatiz... x ejer02_1tzel juliza gu... x Getting started | Angi... x Ejer02iguerrero01 x +

localhost:2000

Welcome

ejero2_iguerrero01 app is running!

Resources

Here are some links to help you get started:

Learn Angular >

<> CLI Documentation >

Angular Material >

Angular Blog >

Angular DevTools >

Next Steps

What do you want to do next with your app?

+ New Component

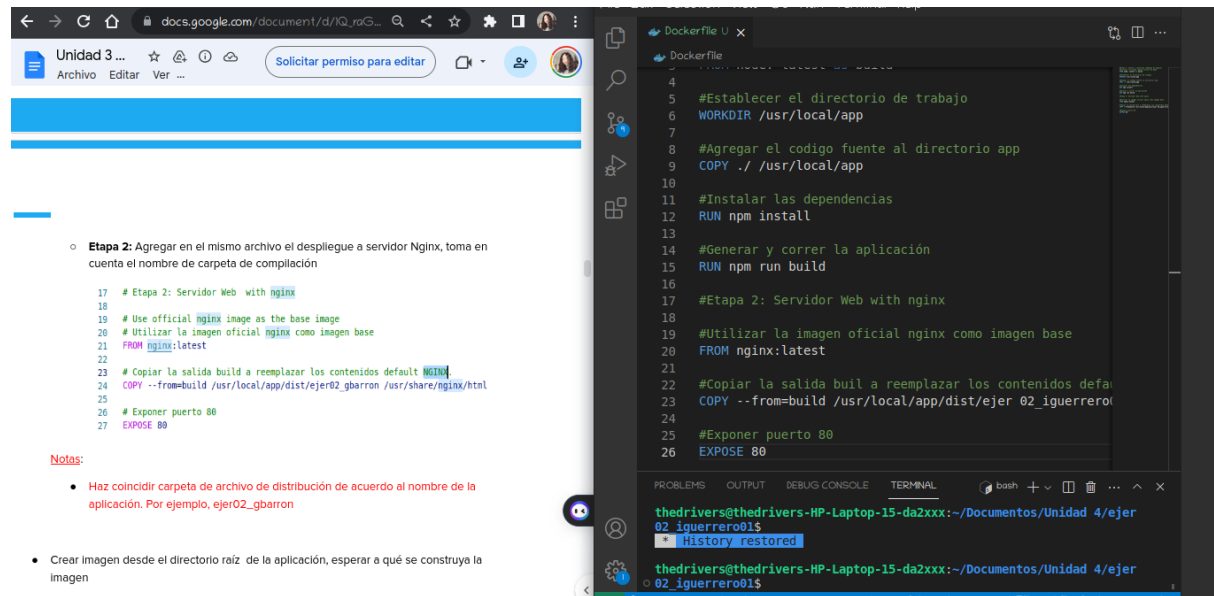
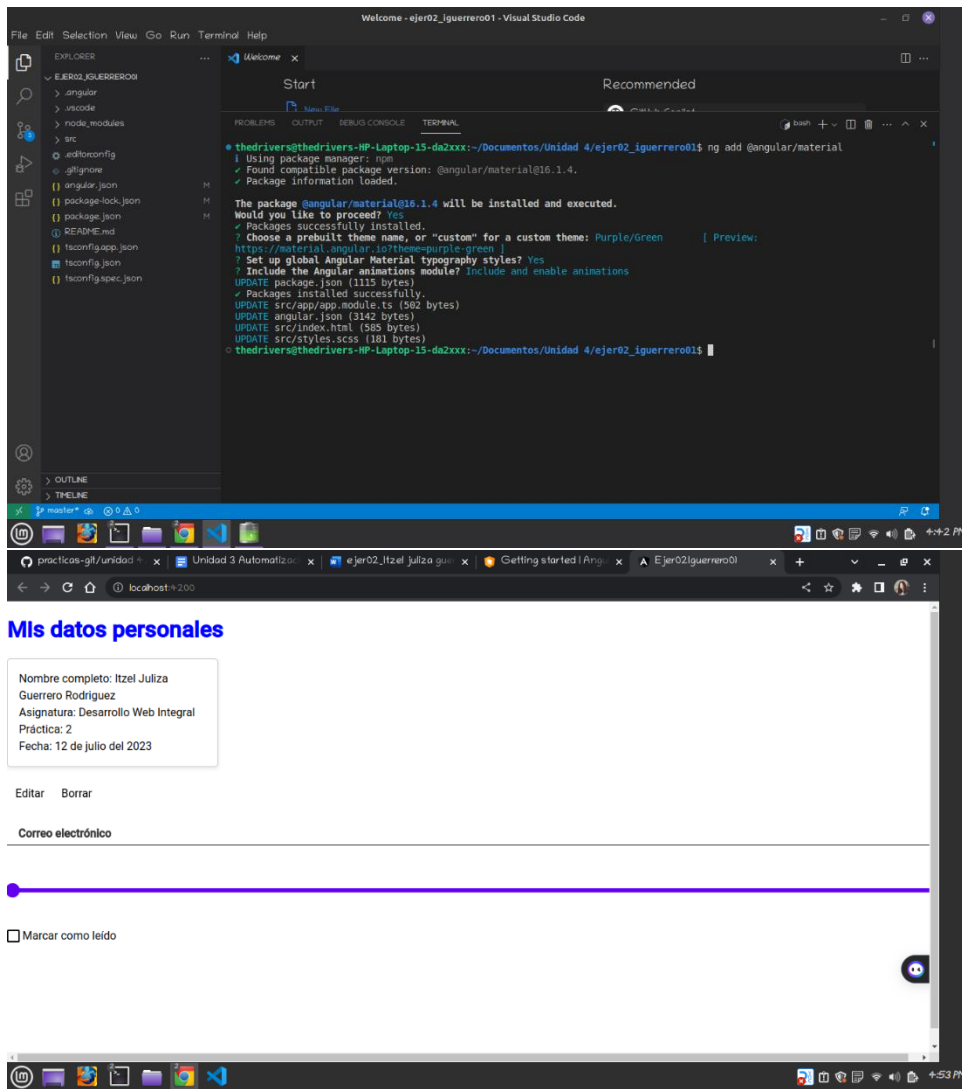
+ Angular Material

+ Add PWA Support

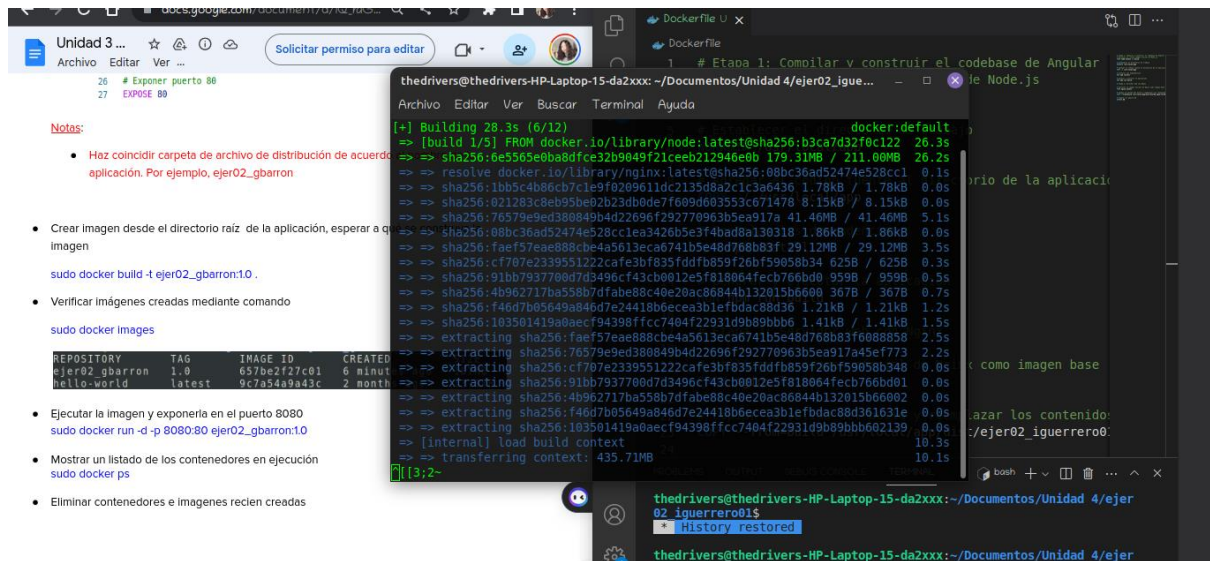
+ Add Dependency

+ Run and Watch Tests

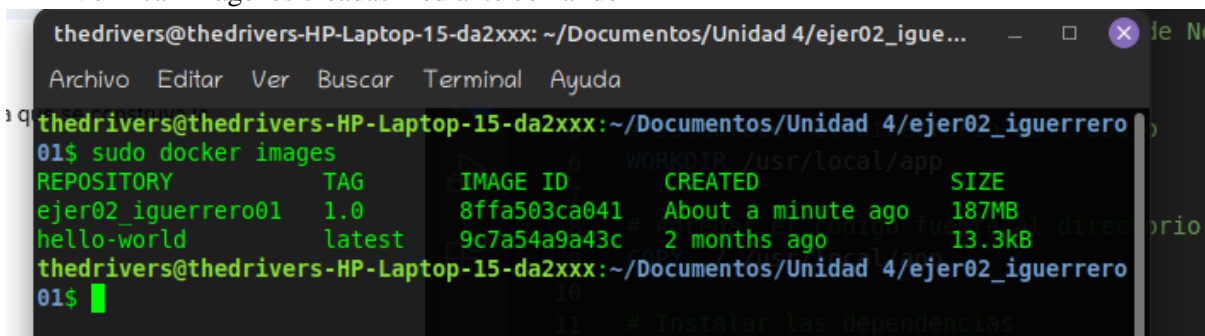
+ Build for Production



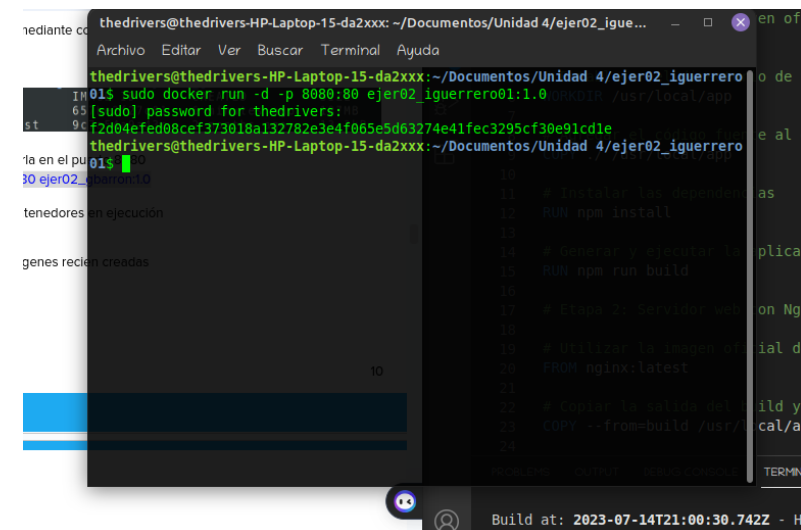
Crear imagen desde el directorio raíz de la aplicación, esperar a que se construya la imagen

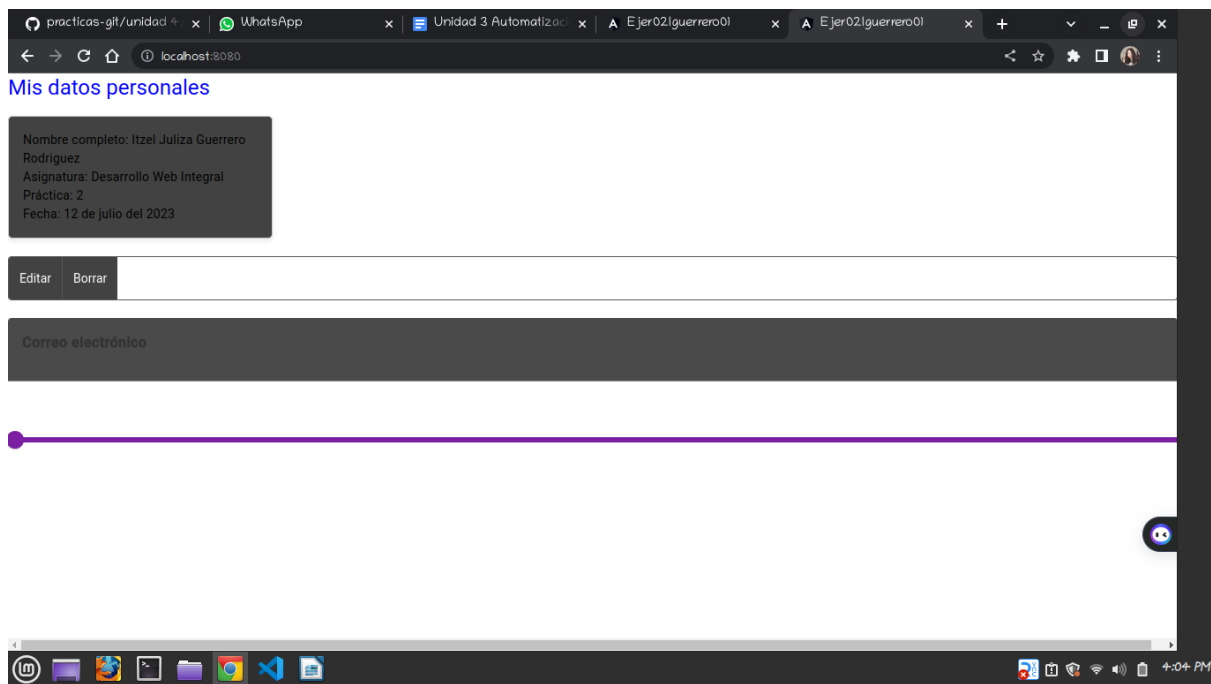


Verificar imágenes creadas mediante comando

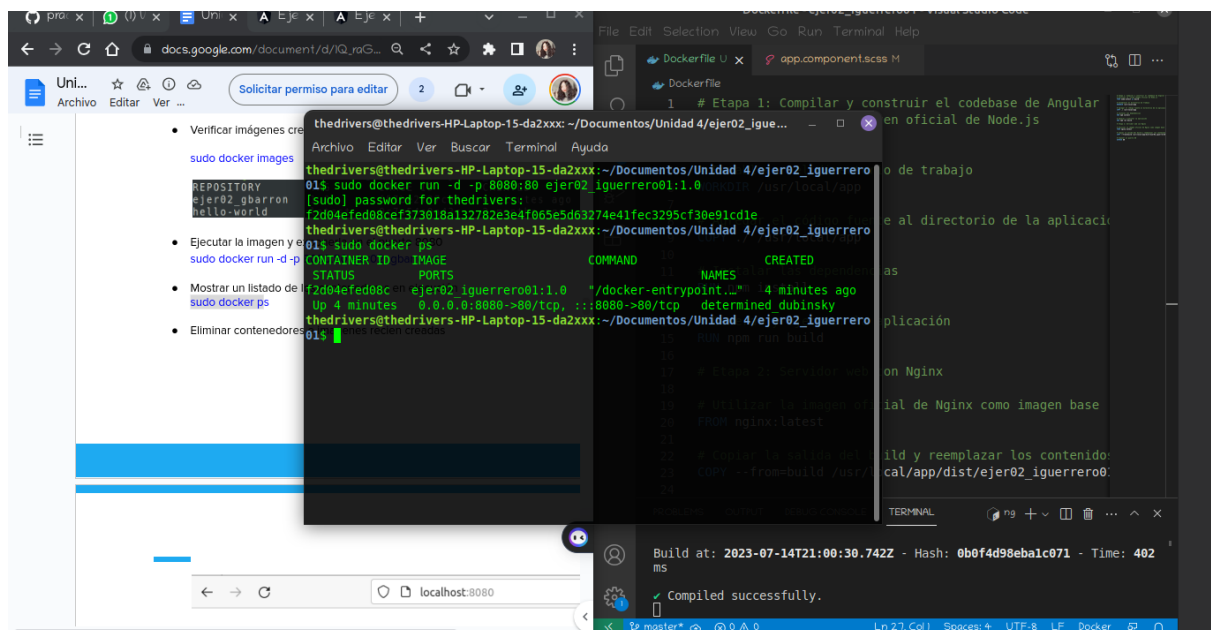


Ejecutar la imagen y exponerla en el puerto 8080





Mostrar un listado de los contenedores en ejecución



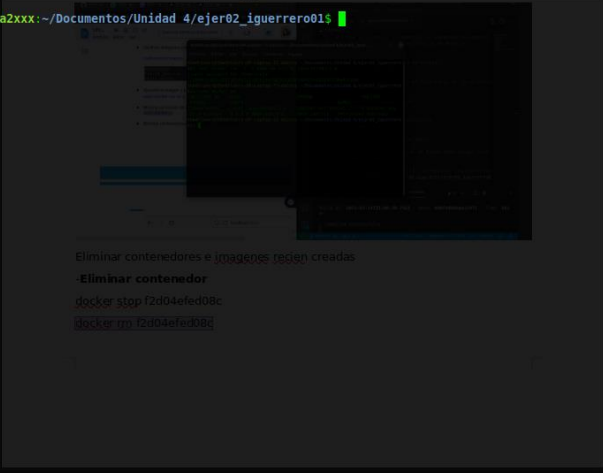
Eliminar contenedores e imagenes recién creadas

-Eliminar contenedor

sudo docker stop f2d04efed08c -----es el id del contenedor

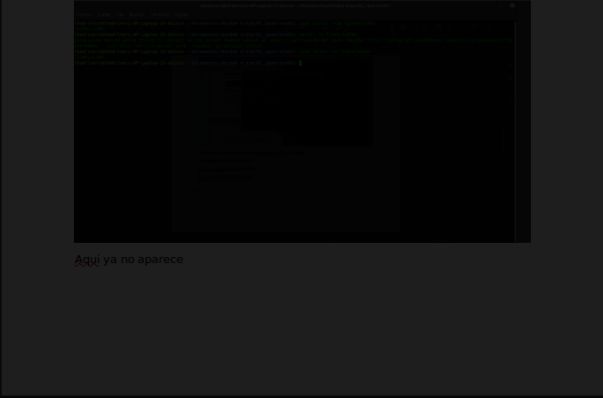
sudo docker rm f2d04efed08c

```
thedrivers@thedrivers-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero01
Archivo  Editor  Ver  Buscar  Terminal  Ayuda
thedrivers@thedrivers-HP-Laptop-15-da2xxx:~/Documentos/Unidad 4/ejer02_iguerrero01$ sudo docker stop f2d04efed08c
f2d04efed08c
thedrivers@thedrivers-HP-Laptop-15-da2xxx:~/Documentos/Unidad 4/ejer02_iguerrero01$ docker rm f2d04efed08c
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Delete "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/containers/f2d04efed08c": dial unix /var/run/docker.sock: connect: permission denied
thedrivers@thedrivers-HP-Laptop-15-da2xxx:~/Documentos/Unidad 4/ejer02_iguerrero01$ sudo docker rm f2d04efed08c
f2d04efed08c
thedrivers@thedrivers-HP-Laptop-15-da2xxx:~/Documentos/Unidad 4/ejer02_iguerrero01$
```



Aqui ya no aparece:

```
thedrivers@thedrivers-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero01
Archivo  Editor  Ver  Buscar  Terminal  Ayuda
thedrivers@thedrivers-HP-Laptop-15-da2xxx:~/Documentos/Unidad 4/ejer02_iguerrero01$ sudo docker stop f2d04efed08c
f2d04efed08c
thedrivers@thedrivers-HP-Laptop-15-da2xxx:~/Documentos/Unidad 4/ejer02_iguerrero01$ docker rm f2d04efed08c
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Delete "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/containers/f2d04efed08c": dial unix /var/run/docker.sock: connect: permission denied
thedrivers@thedrivers-HP-Laptop-15-da2xxx:~/Documentos/Unidad 4/ejer02_iguerrero01$ sudo docker rm f2d04efed08c
f2d04efed08c
thedrivers@thedrivers-HP-Laptop-15-da2xxx:~/Documentos/Unidad 4/ejer02_iguerrero01$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
thedrivers@thedrivers-HP-Laptop-15-da2xxx:~/Documentos/Unidad 4/ejer02_iguerrero01$
```



Aqui ya no aparece

Eliminar imagenes:

sudo docker rmi 8ffa503ca041

```
thedriversthedrivers-HP-Laptop-15-da2xxx: ~/Documentos/Unidad 4/ejer02_iguerrero01$ sudo docker images
thedriversthedrivers-HP-Laptop-15-da2xxx:~/Documentos/Unidad 4/ejer02_iguerrero01$ sudo docker images
REPOSITORY          TAG          IMAGE ID      CREATED       SIZE
ejer02 iguerrero01   1.0         8ffa503ca041  46 minutes ago  187MB
hello-world          latest       9c7a54a9a43c  2 months ago   13.3kB
thedriversthedrivers-HP-Laptop-15-da2xxx:~/Documentos/Unidad 4/ejer02_iguerrero01$ sudo docker rmi 8ffa503ca041
Untagged: ejer02 iguerrero01:1.0
Deleted: sha256:8ffa503ca041fb481fd08168b8598bf2be87b9b9a8220cd6db8ce6cc422354a7
thedriversthedrivers-HP-Laptop-15-da2xxx:~/Documentos/Unidad 4/ejer02_iguerrero01$ sudo docker images
REPOSITORY          TAG          IMAGE ID      CREATED       SIZE
hello-world          latest       9c7a54a9a43c  2 months ago   13.3kB
thedriversthedrivers-HP-Laptop-15-da2xxx:~/Documentos/Unidad 4/ejer02_iguerrero01$
```