

Imagen con Dockerfile y aplicación web

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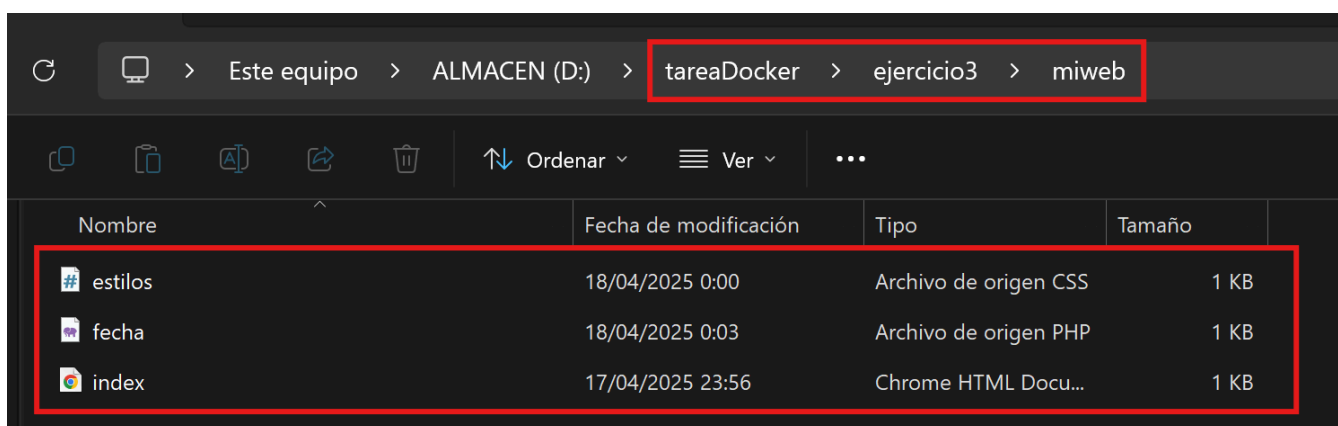
1. Enunciado

En este ejercicio vamos a abordar la creación de una imagen con **Dockerfile**, fichero de **Docker** que nos permite crear una imagen a partir de otra ya creada y modificarla a nuestro gusto con el objetivo de que pueda ser redistribuida posteriormente.

En nuestro caso partiremos de la imagen **php:7.4-apache** a la que le añadiremos un sitio web y un script **PHP** para posteriormente crear otra imagen que subiremos a nuestra cuenta de **Docker Hub**.

2. Creación de la web

Se nos pide que creamos un sitio web sencillo en el que figure nuestro nombre y que debe constar al menos de un archivo **index.html** y de una hoja de estilos. Ambos ficheros los crearemos dentro de una carpeta que se llamará **miweb**:



<> index.html X

<> index.html > ...

```
1 <!DOCTYPE html>
2 <html lang="es">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>DAW - Ejercicio 3</title>
7     <link rel="stylesheet" href="estilos.css">
8 </head>
9 <body>
10     <h1>Despliegue de Aplicaciones Web</h1>
11     <h2>CIFP La Laboral ---- 2024-2025</h2>
12     <h3>Tarea realizada por Roberto Delgado Sánchez</h3>
13     <h3>egl33817@educastur.es</h3>
14 </body>
15 </html>
```

estilos.css X

estilos.css > body

```
1 body
2 {
3     display: flex;
4     flex-direction: column;
5     align-items: center;
6     font-family: Arial, Helvetica, sans-serif;
7     background-color: rgb(128, 175, 190);
8     color: rgb(23, 42, 42);
9 }
```

🐘 fecha.php X

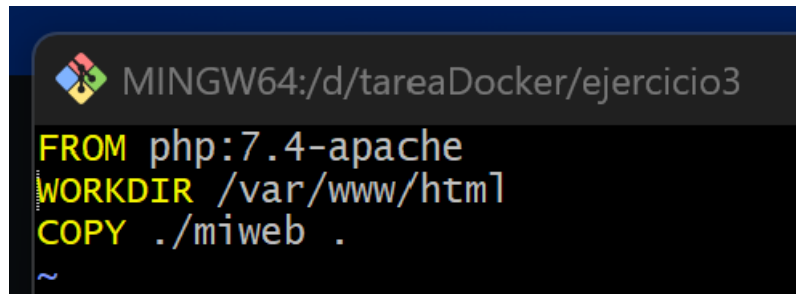
🐘 fecha.php

```
1 <?php
2     setlocale(category: LC_TIME, locales: "es_ES.UTF-8");
3     $mes_actual = strftime(format: "%B");
4     $fecha_actual = date(format: "d/m/Y");
5     $hora_actual = date(format: "H:i:s");
6     echo "<h1>Información</h1>";
7     echo "<p>Hoy es $fecha_actual</p>";
8     echo "<p>El mes es: <strong>$mes_actual</strong></p>";
9     echo "<p>Hora: $hora_actual</p>";
10 ?>
```

3. Creación del fichero Dockerfile y de la imagen

El contenido del fichero `Dockerfile` es el siguiente:

- `FROM` : imagen que usaremos como base para crear la nuestra (`php:7.4-apache` en nuestro caso).
- `WORKDIR` : nos movemos al directorio `/var/www/html` .
- `COPY` : copiamos el contenido de la carpeta `miweb` en el directorio al que nos movimos antes.

A screenshot of a terminal window with a dark background. The title bar at the top reads 'MINGW64:/d/tareaDocker/ejercicio3'. The terminal shows the following text: 'FROM php:7.4-apache', 'WORKDIR /var/www/html', and 'COPY ./miweb .' on separate lines. A blue cursor is visible at the end of the third line.

Para crear la imagen deseada a partir del fichero `Dockerfile` antes citado usamos el siguiente comando:

```
$ docker build -t egl33817/ejercicio3:v1 .
```

significando cada elemento del mismo lo siguiente:

- `docker build` : comando para crear una imagen a partir de lo especificado en un archivo `Dockerfile` .
- `-t` : opción para darle un nombre a la imagen que vamos a crear.
- `egl33817/ejercicio3` : el nombre de la imagen.
- `v1` : versión de la imagen.
- `.` : ruta en la que están tanto el archivo `Dockerfile` como los archivos necesarios para construir la imagen, es decir, lo que se conoce como contexto en el mundo **Docker**. El punto hace referencia a la carpeta actual.

El resultado de la ejecución de este comando se puede ver a continuación:

```

reben@Cun5a00n00-MINCW64 /d/tareaDesktop/ejercicio3 (ejercicio3)
$ docker build -t egl33817/ejercicio3:v1 .
#0 Building with "desktop-linux" instance using docker driver

#1 [internal] load build definition from Dockerfile
#1 transferring dockerfile: 94B 0.0s done
#1 DONE 0.1s

#2 [internal] load metadata for docker.io/library/php:7.4-apache
#2 ...

#3 [auth] library/php:pull token for registry-1.docker.io
#3 DONE 0.0s

#2 [internal] load metadata for docker.io/library/php:7.4-apache
#2 DONE 2.3s

#4 [internal] load .dockerignore
#4 transferring context: 2B 0.0s done
#4 DONE 0.1s

#5 [internal] load build context
#5 transferring context: 1.15kB 0.0s done
#5 DONE 0.1s

#6 [1/3] FROM docker.io/library/php:7.4-apache@sha256:c9d7e608f73832673479770d66aacc8100011ec751d1905ff63fae3fe2e0ca6d
#6 resolve docker.io/library/php:7.4-apache@sha256:c9d7e608f73832673479770d66aacc8100011ec751d1905ff63fae3fe2e0ca6d 0.1s done
#6 DONE 0.6s

#6 [1/3] FROM docker.io/library/php:7.4-apache@sha256:c9d7e608f73832673479770d66aacc8100011ec751d1905ff63fae3fe2e0ca6d
#6 sha256:05e465aaa99a358add4acecdade8f39843089069f31fea0201533d3a09a98c9a 0B / 892B 0.2s
#6 sha256:05e465aaa99a358add4acecdade8f39843089069f31fea0201533d3a09a98c9a 892B / 892B 0.2s done
#6 sha256:80692ae2d067c8358112c56490a2a97f69ef395fd8f7662a31498644c9a813ef 246B / 246B 0.3s done
#6 sha256:ab590b48ea476386dd7b07c34de9eff7cf2103c4668ade985fe31e59f15deee8 0B / 2.46kB 0.2s
#6 sha256:d2c43c5efbc861f83ee6565c7102ca660d6f35e158324fbb042de5017e43afe8 0B / 10.20MB 0.2s
#6 sha256:ab590b48ea476386dd7b07c34de9eff7cf2103c4668ade985fe31e59f15deee8 2.46kB / 2.46kB 0.4s done
#6 sha256:66d98f73acb62e86c0c226f9eedcbc7eda305df0c1e171ca5caf81cb8b1c40cb 0B / 491B 0.2s
#6 sha256:66d98f73acb62e86c0c226f9eedcbc7eda305df0c1e171ca5caf81cb8b1c40cb 491B / 491B 0.3s done
#6 sha256:d14eb2ed1e17ae00f5fcb44b0d562e2867c401c20372829e2cf443fc409342fa 0B / 10.76MB 0.2s
#6 sha256:fe42347c4ecfc90333acd9cad13912387eea39d13827a25cfa78727fa5d200e9 514B / 514B 0.2s done
#6 sha256:9b233e420ac7bbca645bb82c213029762acf1742400c076360dc303213c309d5 475B / 475B 0.2s
#6 sha256:d2c43c5efbc861f83ee6565c7102ca660d6f35e158324fbb042de5017e43afe8 3.15MB / 10.20MB 0.6s
#6 sha256:d14eb2ed1e17ae00f5fcb44b0d562e2867c401c20372829e2cf443fc409342fa 2.10MB / 10.76MB 0.5s
#6 sha256:9b233e420ac7bbca645bb82c213029762acf1742400c076360dc303213c309d5 475B / 475B 0.2s done
#6 sha256:d2c43c5efbc861f83ee6565c7102ca660d6f35e158324fbb042de5017e43afe8 5.24MB / 10.20MB 0.8s
#6 sha256:d14eb2ed1e17ae00f5fcb44b0d562e2867c401c20372829e2cf443fc409342fa 4.19MB / 10.76MB 0.6s
#6 sha256:25f85b498fd5bfc6cce951513219fe480850daba71e6e997741e984d18483971 0B / 19.25MB 0.2s
#6 sha256:fb5a4c8af82f00730b7427e47bda7f76cea2e2b9aea421750bc9025aface98d8 270B / 270B 0.2s done
#6 sha256:d2c43c5efbc861f83ee6565c7102ca660d6f35e158324fbb042de5017e43afe8 7.34MB / 10.20MB 0.9s
#6 sha256:d14eb2ed1e17ae00f5fcb44b0d562e2867c401c20372829e2cf443fc409342fa 5.24MB / 10.76MB 0.8s
#6 sha256:25f85b498fd5bfc6cce951513219fe480850daba71e6e997741e984d18483971 1.05MB / 19.25MB 0.3s
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 0B / 91.63MB 0.2s
#6 sha256:d2c43c5efbc861f83ee6565c7102ca660d6f35e158324fbb042de5017e43afe8 10.20MB / 10.20MB 1.1s done

```

```

#6 sha256:d2c43c5efbc861f83ee6565c7102ca660d6f35e158324fbb042de5017e43afe8 10.20MB / 10.20MB 1.1s done
#6 sha256:25f85b498fd5bfc6cce951513219fe480850daba71e6e997741e984d18483971 3.15MB / 19.25MB 0.5s
#6 sha256:d14eb2ed1e17ae00f5fcb44b0d562e2867c401c20372829e2cf443fc409342fa 7.34MB / 10.76MB 0.9s
#6 sha256:25f85b498fd5bfc6cce951513219fe480850daba71e6e997741e984d18483971 5.24MB / 19.25MB 0.6s
#6 sha256:d14eb2ed1e17ae00f5fcb44b0d562e2867c401c20372829e2cf443fc409342fa 10.76MB / 10.76MB 1.0s done
#6 sha256:25f85b498fd5bfc6cce951513219fe480850daba71e6e997741e984d18483971 8.39MB / 19.25MB 0.8s
#6 sha256:c428f1a494230852524a2a5957cc5199c36c8b403305e0e877d580bd0ec9e763 226B / 226B 0.2s done
#6 sha256:25f85b498fd5bfc6cce951513219fe480850daba71e6e997741e984d18483971 10.49MB / 19.25MB 0.9s
#6 sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 0B / 31.41MB 0.2s
#6 sha256:25f85b498fd5bfc6cce951513219fe480850daba71e6e997741e984d18483971 12.58MB / 19.25MB 1.1s
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 5.24MB / 91.63MB 0.9s
#6 sha256:25f85b498fd5bfc6cce951513219fe480850daba71e6e997741e984d18483971 14.68MB / 19.25MB 1.2s
#6 sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 3.15MB / 31.41MB 0.5s
#6 sha256:25f85b498fd5bfc6cce951513219fe480850daba71e6e997741e984d18483971 16.78MB / 19.25MB 1.4s
#6 sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 5.24MB / 31.41MB 0.6s
#6 sha256:25f85b498fd5bfc6cce951513219fe480850daba71e6e997741e984d18483971 19.25MB / 19.25MB 1.6s done
#6 sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 7.34MB / 31.41MB 0.8s
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 13.63MB / 91.63MB 1.5s
#6 sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 9.44MB / 31.41MB 0.9s
#6 sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 12.58MB / 31.41MB 1.1s
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 18.87MB / 91.63MB 1.8s
#6 sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 15.73MB / 31.41MB 1.2s
#6 sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 17.83MB / 31.41MB 1.4s
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 25.17MB / 91.63MB 2.1s
#6 sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 20.97MB / 31.41MB 1.5s
#6 sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 23.07MB / 31.41MB 1.7s
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 30.41MB / 91.63MB 2.4s
#6 sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 26.21MB / 31.41MB 1.8s
#6 sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 29.36MB / 31.41MB 2.0s
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 38.80MB / 91.63MB 2.7s
#6 sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 31.41MB / 31.41MB 2.1s done
#6 extracting sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 48.23MB / 91.63MB 3.0s
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 57.67MB / 91.63MB 3.3s
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 67.11MB / 91.63MB 3.6s
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 72.35MB / 91.63MB 3.8s
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 81.79MB / 91.63MB 4.1s
#6 extracting sha256:a603fa5e3b4127f210503aaa6189abf6286ee5a73deeaab460f8f33ebc6b64e2 1.6s done
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 87.03MB / 91.63MB 4.2s
#6 extracting sha256:c428f1a494230852524a2a5957cc5199c36c8b403305e0e877d580bd0ec9e763 0.0s done
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 91.63MB / 91.63MB 4.4s
#6 sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 91.63MB / 91.63MB 4.4s done
#6 extracting sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de
#6 extracting sha256:156740b07ef8a632f9f7bea4e57e4ee5541ade376adf9169351a1265382e39de 2.0s done
#6 DONE 7.8s

#6 [1/3] FROM docker.io/library/php:7.4-apache@sha256:c9d7e608f73832673479770d66aacc8100011ec751d1905ff63fae3fe2e0ca6d
#6 extracting sha256:fb5a4c8af82f00730b7427e47bda7f76cea2e2b9aea421750bc9025aface98d8 0.0s done
#6 extracting sha256:25f85b498fd5bfc6cce951513219fe480850daba71e6e997741e984d18483971
#6 extracting sha256:25f85b498fd5bfc6cce951513219fe480850daba71e6e997741e984d18483971 0.4s done
#6 DONE 8.2s

#6 [1/3] FROM docker.io/library/php:7.4-apache@sha256:c9d7e608f73832673479770d66aacc8100011ec751d1905ff63fae3fe2e0ca6d
#6 extracting sha256:9b233e420ac7bbca645bb82c213029762acf1742400c076360dc303213c309d5 0.0s done
#6 extracting sha256:fe42347c4ecfc90333acd9cad13912387eea39d13827a25cfa78727fa5d200e9 0.0s done

#6 extracting sha256:d14eb2ed1e17ae00f5fcb44b0d562e2867c401c20372829e2cf443fc409342fa 0.1s done
#6 DONE 8.3s

#6 [1/3] FROM docker.io/library/php:7.4-apache@sha256:c9d7e608f73832673479770d66aacc8100011ec751d1905ff63fae3fe2e0ca6d
#6 extracting sha256:66d98f73ac6b2e86c0c226f9eedcbcb7eda305df0c1e171ca5caf81cb8b1c40cb 0.0s done
#6 extracting sha256:d2c43c5efbc861f83ee6565c7102ca660d6f35e158324fbb042de5017e43afe8
#6 extracting sha256:d2c43c5efbc861f83ee6565c7102ca660d6f35e158324fbb042de5017e43afe8 0.3s done
#6 DONE 8.7s

#6 [1/3] FROM docker.io/library/php:7.4-apache@sha256:c9d7e608f73832673479770d66aacc8100011ec751d1905ff63fae3fe2e0ca6d
#6 extracting sha256:ab590b48ea476386dd7b07c34de9eff7cf2103c4668ade985fe31e59f15deee8 0.0s done
#6 extracting sha256:80692ae2d067c8358112c56490a2a97f69ef395fd8f7662a31498644c9a813ef 0.0s done
#6 extracting sha256:05e465aaa99a358add4acecdade8f39843089069f31fea0201533d3a09a98c9a 0.0s done
#6 DONE 8.8s

#7 [2/3] WORKDIR /var/www/html
#7 DONE 1.6s

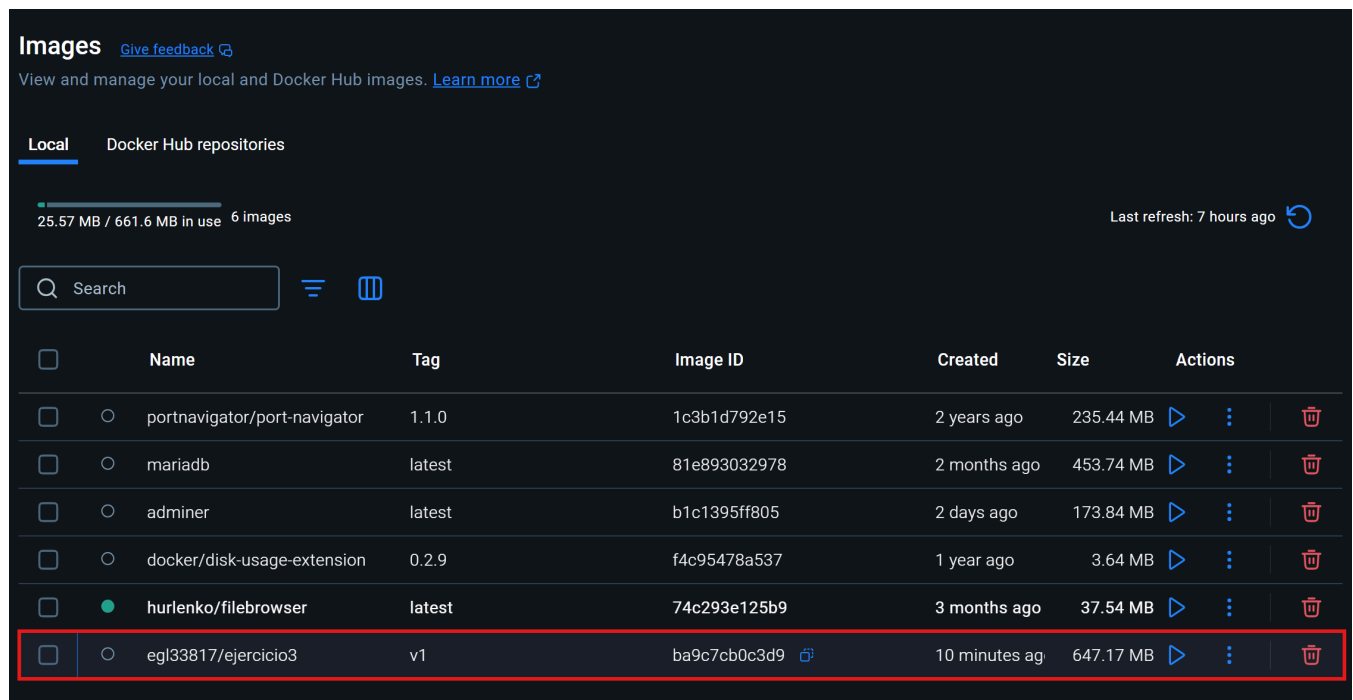
#8 [3/3] COPY ./miweb .
#8 DONE 0.1s

#9 exporting to image
#9 exporting layers
#9 exporting layers 0.2s done
#9 exporting manifest sha256:3f569b38b0052239169d3b1177bf681a09ebf6db8a4cdca7bda21cdae41e9669 0.0s done
#9 exporting config sha256:345854fccdc8da738759e60c6e88a8a7b5bc698f09845cd1b9dfe3bfa88b561 0.0s done
#9 exporting attestation manifest sha256:166eabdc32dd2c6fd028ee50b977e72fbb880316088d8166b97ea55cecf2e11f 0.0s done
#9 exporting manifest list sha256:ba9c7cb0c3d9f5e9d7826ebde16cf8f2ce2a6f05faad54df3666bafba942d2e7 0.0s done
#9 naming to docker.io/egl33817/ejercicio3:v1
#9 naming to docker.io/egl33817/ejercicio3:v1 done
#9 unpacking to docker.io/egl33817/ejercicio3:v1 0.1s done
#9 DONE 0.4s

```

En la última imagen podemos ver el detalle de la ejecución de las instrucciones que habíamos definido en el archivo `Dockerfile`.

Si ahora nos vamos al **Docker Desktop**, podemos ver que tenemos una nueva imagen cuyo nombre es el que pusimos en el comando `docker build`:



The screenshot shows the Docker Desktop interface with the 'Images' tab selected. It displays a list of local images. The image 'egl33817/ejercicio3' with tag 'v1' is highlighted with a red box. The interface includes a search bar, a refresh button, and a status bar showing '25.57 MB / 661.6 MB in use' and '6 images'.

| <input type="checkbox"/> | Name | Tag | Image ID | Created | Size | Actions |
|--------------------------|------------------------------|--------|--------------|----------------|-----------|---------|
| <input type="checkbox"/> | portnavigator/port-navigator | 1.1.0 | 1c3b1d792e15 | 2 years ago | 235.44 MB | |
| <input type="checkbox"/> | mariadb | latest | 81e893032978 | 2 months ago | 453.74 MB | |
| <input type="checkbox"/> | adminer | latest | b1c1395ff805 | 2 days ago | 173.84 MB | |
| <input type="checkbox"/> | docker/disk-usage-extension | 0.2.9 | f4c95478a537 | 1 year ago | 3.64 MB | |
| <input type="checkbox"/> | hurlenko/filebrowser | latest | 74c293e125b9 | 3 months ago | 37.54 MB | |
| <input type="checkbox"/> | egl33817/ejercicio3 | v1 | ba9c7cb0c3d9 | 10 minutes ago | 647.17 MB | |

4. Creación de un contenedor a partir de la imagen generada

Vamos a probar la imagen creada generando un contenedor a partir de la misma con los siguientes parámetros que se nos especifican en el enunciado del ejercicio:

- debe llamarse `ejercicio3`.
- debe ser accesible desde un navegador en el puerto `8000`.


Creamos el contenedor y lo ponemos en ejecución:



The screenshot shows the same Docker Desktop interface as before, but now the 'run' icon (a blue play button) for the 'egl33817/ejercicio3' image is highlighted with a green box, indicating it has been executed.

| <input type="checkbox"/> | Name | Tag | Image ID | Created | Size | Actions |
|--------------------------|------------------------------|--------|--------------|----------------|-----------|---------|
| <input type="checkbox"/> | portnavigator/port-navigator | 1.1.0 | 1c3b1d792e15 | 2 years ago | 235.44 MB | |
| <input type="checkbox"/> | mariadb | latest | 81e893032978 | 2 months ago | 453.74 MB | |
| <input type="checkbox"/> | adminer | latest | b1c1395ff805 | 2 days ago | 173.84 MB | |
| <input type="checkbox"/> | docker/disk-usage-extension | 0.2.9 | f4c95478a537 | 1 year ago | 3.64 MB | |
| <input type="checkbox"/> | hurlenko/filebrowser | latest | 74c293e125b9 | 3 months ago | 37.54 MB | |
| <input type="checkbox"/> | egl33817/ejercicio3 | v1 | ba9c7cb0c3d9 | 24 minutes ago | 647.17 MB | |

Use your local and Docker Hub images. [Learn more](#) [?]



Run a new container

egl33817/ejercicio3:v1

Optional settings ^

Container name

ejercicio3

A random name is generated if you do not provide one.

Ports

Enter "0" to assign randomly generated host ports.

Host port

8000

:80/tcp

Volumes

Host path

...

Container path

+

Environment variables

Variable

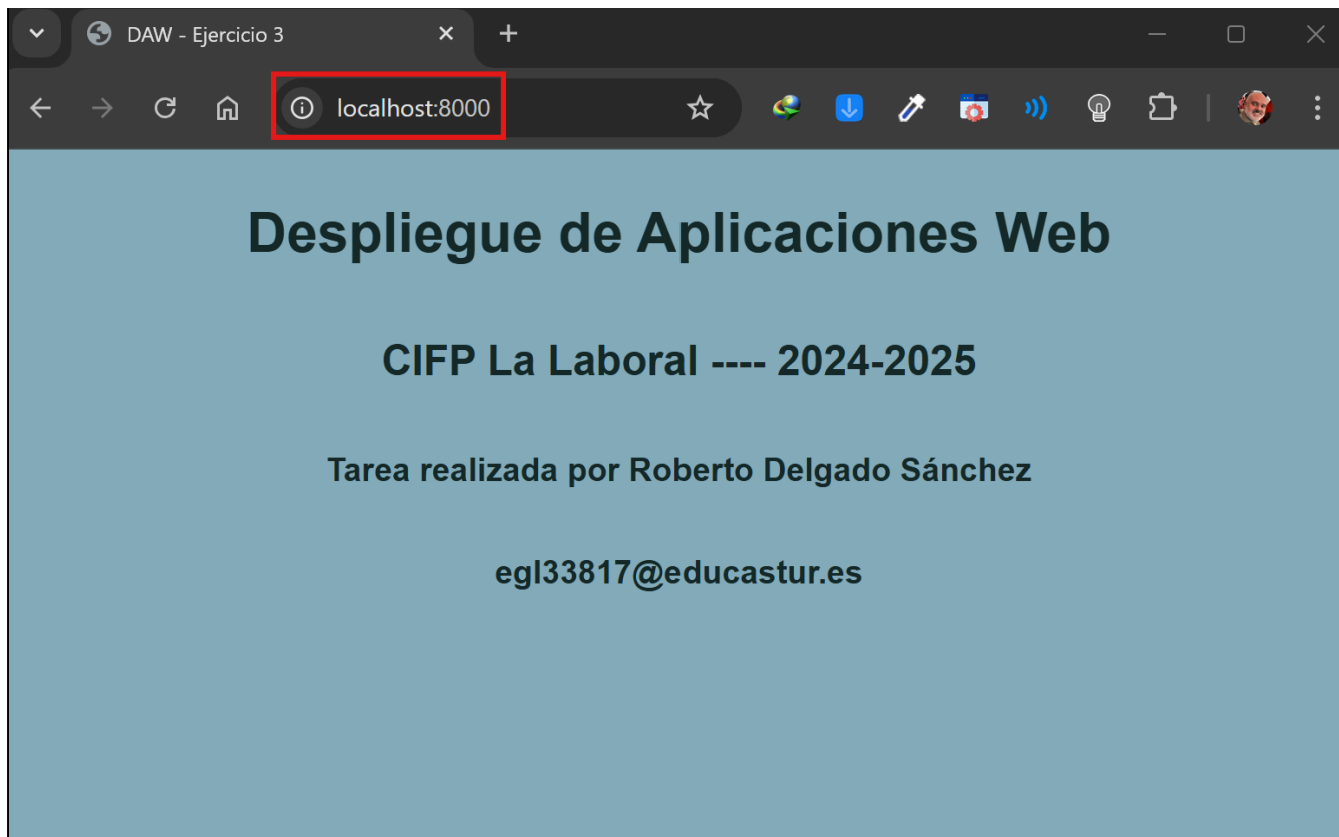
Value

+

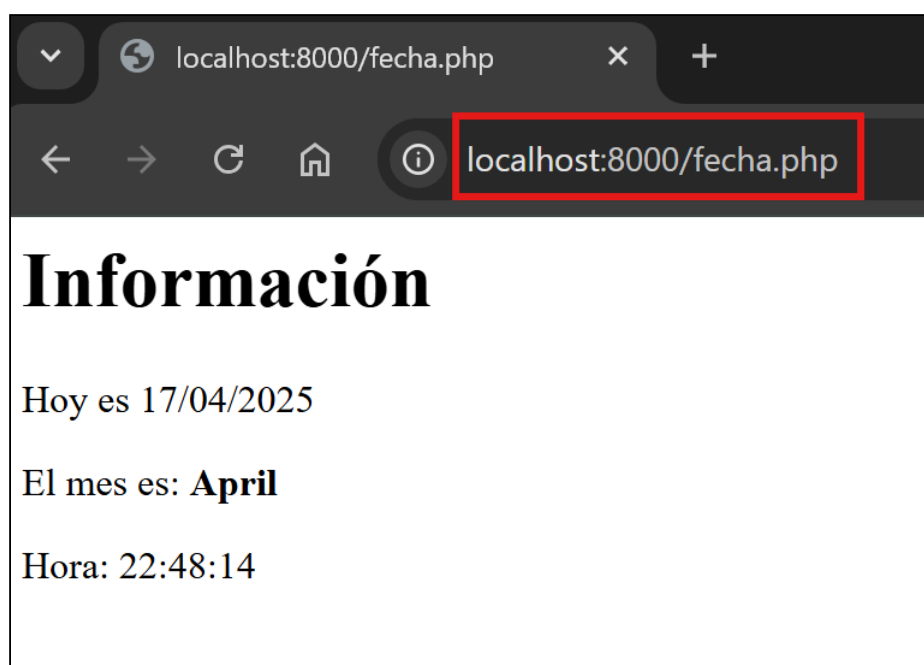
Cancel

Run

Una vez arrancado nos conectamos al mismo con un navegador:



Y comprobamos que el script **PHP** se ejecuta correctamente:



Una vez comprobado que el contenedor funciona lo borramos:

Containers [Give feedback](#)

View all your running containers and applications. [Learn more](#)

Container CPU usage ⓘ **0.01% / 1200%** (12 CPUs available)

Container memory usage ⓘ **24.58MB / 7.49GB**

[Show charts](#)

Search

☐ Only show running containers

| <input type="checkbox"/> | Name | Container ID | Image | Port(s) | CPU (%) | Last started | Actions |
|--------------------------|--------------|--------------|---------------------------------|-------------------------|---------|---------------|---------|
| <input type="checkbox"/> | ejercicio3 | 60a1aa520058 | egl33817/ejerci | 8000:80 | 0.01% | 7 minutes ago | |
| <input type="checkbox"/> | > ejercicio2 | - | - | - | 0% | 4 hours ago | |

Delete container?

The 'ejercicio3' container is selected for deletion. Any anonymous volumes associated with this container are also deleted.

[Cancel](#) [Delete forever](#)

Containers [Give feedback](#)

View all your running containers and applications. [Learn more](#)

Container CPU usage ⓘ **0.00% / 1200%** (12 CPUs available)

Container memory usage ⓘ **5.89MB / 7.49GB**

[Show charts](#)

Search

☐ Only show running containers

| <input type="checkbox"/> | Name | Container ID | Image | Port(s) | CPU (%) | Last started | Actions |
|--------------------------|--------------|--------------|-------|---------|---------|----------------|---------|
| <input type="checkbox"/> | > ejercicio2 | - | - | - | 0% | 17 seconds ago | |

5. Subir la imagen a Docker Hub

Antes de subir la imagen al repositorio he tenido que añadir una etiqueta a la misma, ya que al subirla me daba un error de permisos. Los comandos utilizados para añadir esa etiqueta y subirla a **Docker Hub** son:

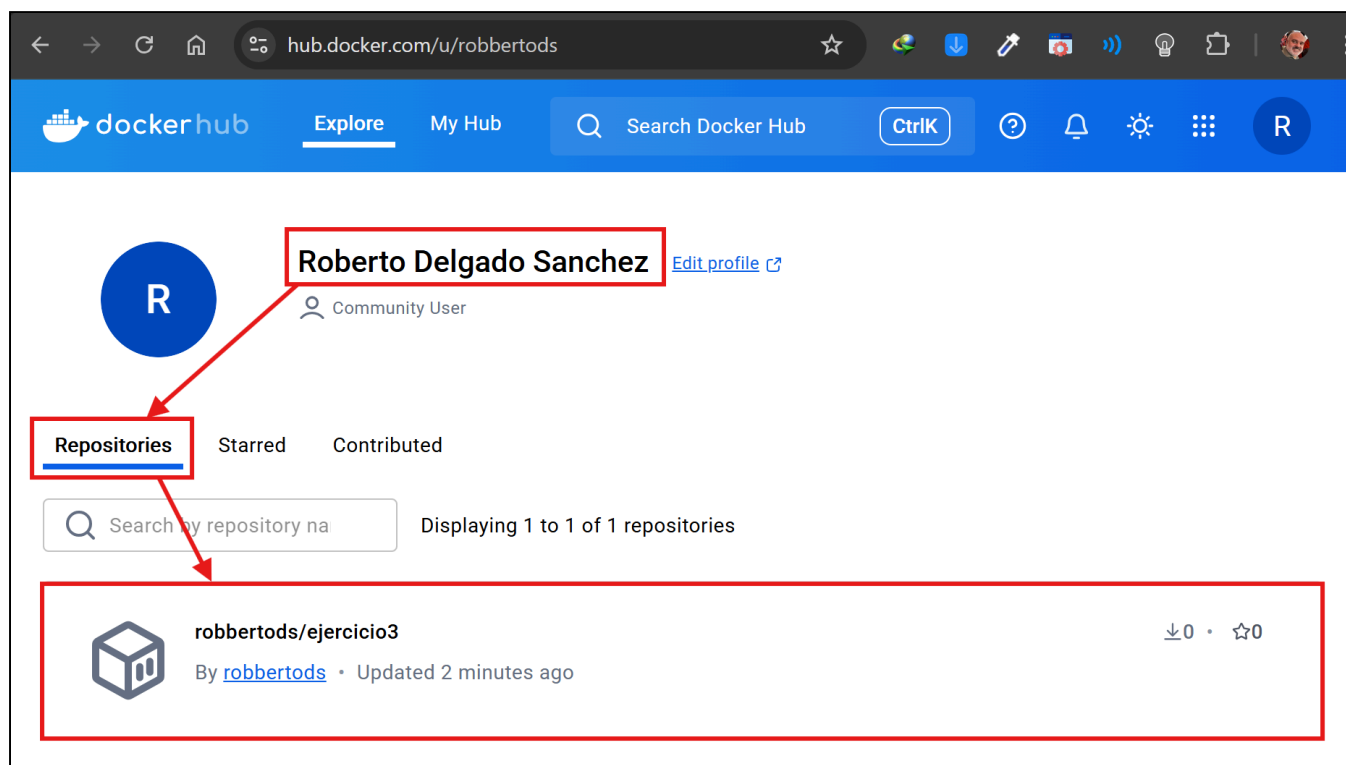
```
$ docker tag ba9c7cb0c3d9f5e9d7826ebde16cf8f2ce2a6f05faad54df3666bafba942d2e7
robbertods/ejercicio3:version1.0
$ docker push robbertods/ejercicio3:version1.0
```

```

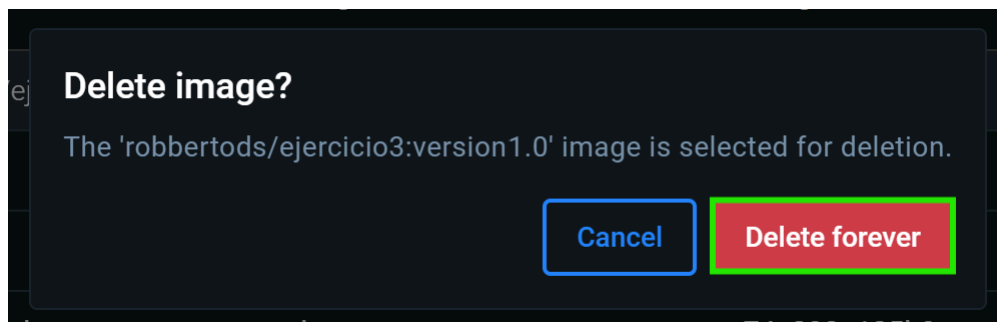
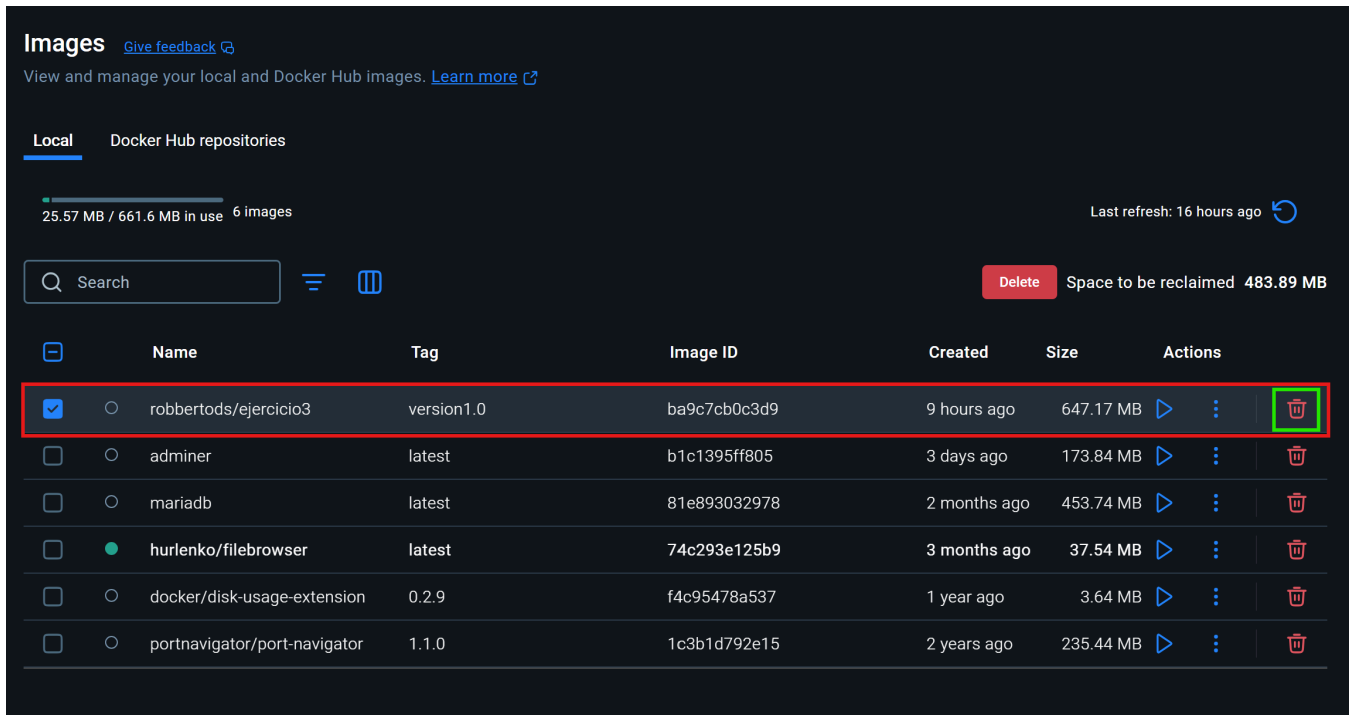
rober@SurfacePro9_MINGW64 /d/tareaDocker/ejercicio3 (ejercicio3)
$ docker tag ba9c7cb0c3d9f5e9d7826ebde16cf8f2ce2a6f05faad54df3666bafba942d2e7 robbertods/ejercicio3:version1.0
rober@SurfacePro9_MINGW64 /d/tareaDocker/ejercicio3 (ejercicio3)
$ docker push robbertods/ejercicio3:version1.0
The push refers to repository [docker.io/robbertods/ejercicio3]
fe42347c4ecf: waiting
25f85b498fd5: waiting
a603fa5e3b41: waiting
ab590b48ea47: waiting
66d98f73acb6: waiting
66d98f73acb6: Pushed
fe42347c4ecf: Pushed
ab590b48ea47: Pushed
fb5a4c8af82f: Pushed
c428f1a49423: Pushed
80692ae2d067: Pushed
9b233e420ac7: Pushed
bd6b7634fa55: Pushed
bd5c196d140f: Pushed
05e465aaa99a: Pushed
d2c43c5efbc8: Pushed
d14eb2ed1e17: Pushed
25f85b498fd5: Pushed
a603fa5e3b41: Pushed
156740b07ef8: Pushed
version1.0: digest: sha256:ba9c7cb0c3d9f5e9d7826ebde16cf8f2ce2a6f05faad54df3666bafba942d2e7 size: 856

```

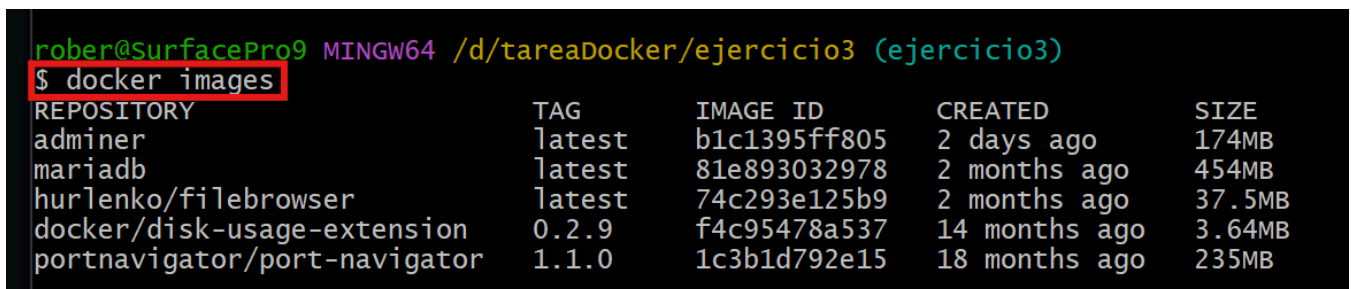
Una vez finalizado el proceso, podemos ver la imagen en nuestro repositorio personal:



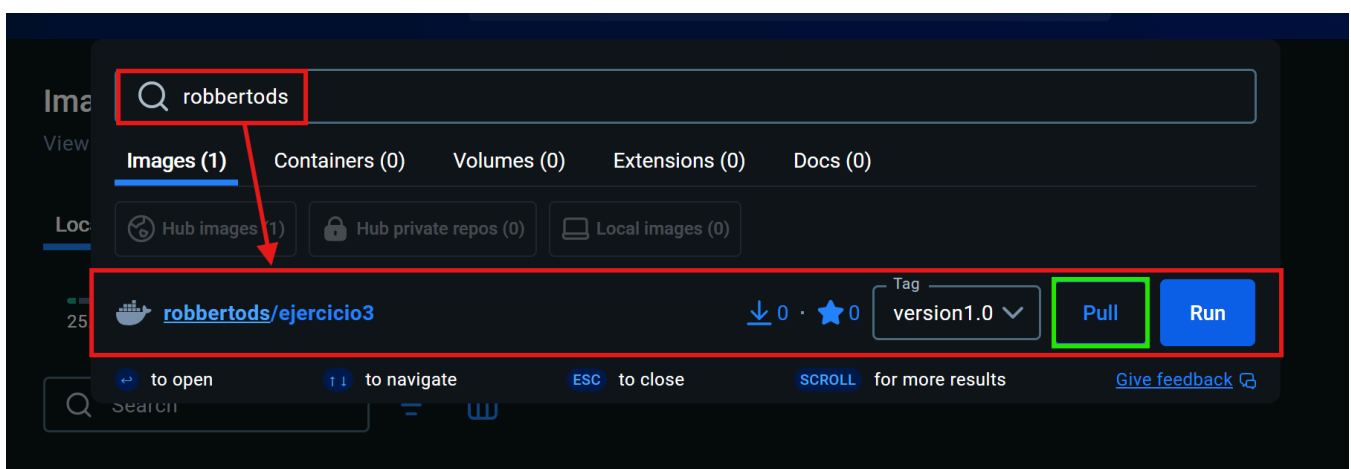
Ahora borramos la imagen que tenemos en nuestra máquina local desde **Docker Desktop**:



Comprobamos que ya no existe:



Y a continuación la descargamos desde Docker Desktop:





Status: Downloaded newer image for
robertods/ejercicio3:version1.0



Images

[Give feedback](#)

View and manage your local and Docker Hub images. [Learn more](#)

Local

Docker Hub repositories

25.57 MB / 661.6 MB in use 6 images

Last refresh: 16 hours ago




Search



| <input type="checkbox"/> | Name | Tag | Image ID | Created | Size | Actions |
|--------------------------|------------------------------|------------|--------------|--------------|-----------|---------|
| <input type="checkbox"/> | adminer | latest | b1c1395ff805 | 3 days ago | 173.84 MB | |
| <input type="checkbox"/> | mariadb | latest | 81e893032978 | 2 months ago | 453.74 MB | |
| <input type="checkbox"/> | hurlenko/filebrowser | latest | 74c293e125b9 | 3 months ago | 37.54 MB | |
| <input type="checkbox"/> | docker/disk-usage-extension | 0.2.9 | f4c95478a537 | 1 year ago | 3.64 MB | |
| <input type="checkbox"/> | portnavigator/port-navigator | 1.1.0 | 1c3b1d792e15 | 2 years ago | 235.44 MB | |
| <input type="checkbox"/> | robertods/ejercicio3 | version1.0 | ba9c7cb0c3d9 | 9 hours ago | 647.17 MB | |

La ponemos en marcha en el puerto 9090 por ejemplo:

Use your local and Docker Hub images. [Learn more](#)



Run a new container

robbertods/ejercicio3:version1.0

Optional settings

Container name

egl33817_ej3

A random name is generated if you do not provide one.

Ports

Enter "0" to assign randomly generated host ports.

Host port

9090

:80/tcp

Volumes

Host path

...

Container path

+

Environment variables

Variable

Value

+

Cancel

Run

Y comprobamos que todo funciona correctamente:





Y así finaliza este tercer y último ejercicio de esta práctica.