

# Ejercicio 1

## Ejercicio 1

### Web

#### 1.- Arrancamos el contenedor de apache con php

```
docker run --name web -p 8000:80 -d php:7.4-apache
```

#### 2.- Comprobamos que se levanta el contenedor.

```
docker ps
```

```
alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 1 (feature/ejercicio1)
$ docker run --name web -p 8000:80 -d php:7.4-apache
d1d98f4e26bc92ad2da92e6b9467f49d7889cefc39a379ad1b581d38d867c158

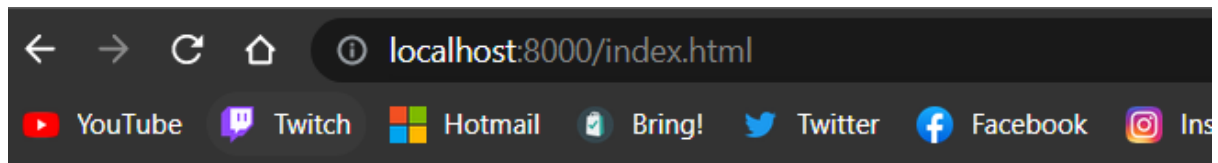
alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 1 (feature/ejercicio1)
$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
d1d98f4e26bc   php:7.4-apache "docker-php-entrypoi..." 4 seconds ago  Up 3 seconds  0.0.0.0:8000->80/tcp, :::8000->80/tcp  web
```

#### 3.- Copiamos el contenido web a /var/www/html

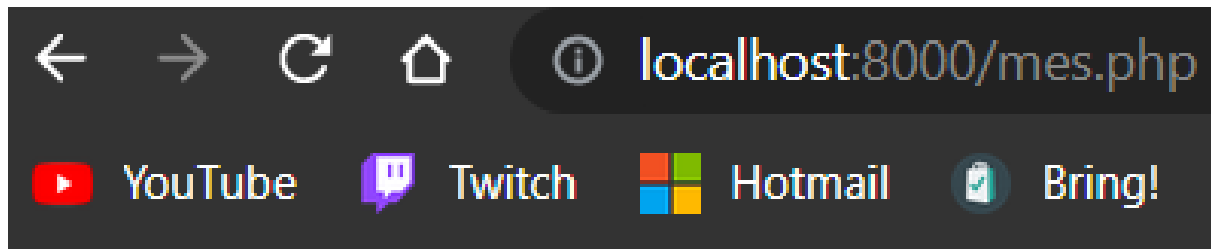
```
docker cp web/. web:/var/www/html
```

#### 4.- Comprobamos que se ha subido el contenido a la máquina

```
root@88e3ce1792d6:/var/www/html# pwd
/var/www/html
root@88e3ce1792d6:/var/www/html# ls
index.html  mes.php
```



# HOLA SOY ALVARO PENA RUIZ



El mes actual es: April

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES	SIZE
d1d98f4e26bc	php:7.4-apache	"docker-php-entrypoi..."	15 minutes ago	Up 15 minutes	0.0.0.0:8000->80/tcp, :::8000->80/tcp	web	381B (virtual 452MB)

## Database

**1.- Arrancamos el contenedor de mariadb con sus variables de entorno.**

```
docker run --name bbdd \  
-e MARIADB_ROOT_PASSWORD=root \  
-e MARIADB_DATABASE=prueba \  
-e MARIADB_USER=invitado \  
-e MARIADB_PASSWORD=invitado \  
mariadb
```

```

alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 1 (feature/ejercicio1)
$ docker run --name bbdd \
> -e MARIADB_ROOT_PASSWORD=root \
> -e MARIADB_DATABASE=prueba \
> -e MARIADB_USER=invitado \
> -e MARIADB_PASSWORD=invitado \
> mariadb
Unable to find image 'mariadb:latest' locally
latest: Pulling from library/mariadb
e0b25ef51634: Pull complete
8aa3f605beb6: Pull complete
c43298fa9eba: Pull complete
f565e2a61005: Pull complete
3b5a73a7467f: Pull complete
d219b4dd5889: Pull complete
008719f0a8ad: Pull complete
cdb2ef26c44d: Pull complete
16f6e068c19c: Pull complete
ecfd25d3e0e6: Pull complete
fc6e322e4875: Pull complete
Digest: sha256:9d2cde0e154989d499114bf468fab23497120cf889fb6965050c0f8fcf69d037
Status: Downloaded newer image for mariadb:latest
2022-04-06 21:00:38+00:00 [Note] [Entrypoint]: Entrypoint script for MariaDB Server 1:10.7.3+maria~focal started.
2022-04-06 21:00:38+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
2022-04-06 21:00:39+00:00 [Note] [Entrypoint]: Entrypoint script for MariaDB Server 1:10.7.3+maria~focal started.

```

## 2.- Comprobamos que se ha creado correctamente.

```

root@2a2774317c56:/# mysql -uroot -proot prueba
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 5
Server version: 10.7.3-MariaDB-1:10.7.3+maria~focal mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [prueba]> exit
Bye
root@2a2774317c56:/# mysql -uinvitado -pinvitado prueba
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 6
Server version: 10.7.3-MariaDB-1:10.7.3+maria~focal mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [prueba]> █

```

## Extras

1.- La bbdd no se puede borrar mientras esta en funcionamiento.

```
alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 1 (feature/ejercicio1)
$ docker rm bbdd
Error response from daemon: You cannot remove a running container 2a2774317c56fd7ca9756cdf52d380c5417bdd9c203df53bd9b6f8747dea43. Stop the container before attempting removal or force remove
```

## 2.- Imagenes actuales descargadas.

```
alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 1 (feature/ejercicio1)
$ docker image ls
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
mariadb	latest	100166b773f8	22 hours ago	414MB
php	7.4-apache	eca4459c9842	8 days ago	452MB
alvaropr/test_docker_nigel_course	first-container_alvaro	1f1b6d88614b	6 months ago	125MB

## 3.- Borrado de contenedores.

```
alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 1 (feature/ejercicio1)
$ docker stop bbdd
bbdd

alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 1 (feature/ejercicio1)
$ docker stop web
web

alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 1 (feature/ejercicio1)
$ docker rm bbdd
bbdd

alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 1 (feature/ejercicio1)
$ docker rm web
web

alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 1 (feature/ejercicio1)
$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
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