

Servidor web

Ejercicio 1

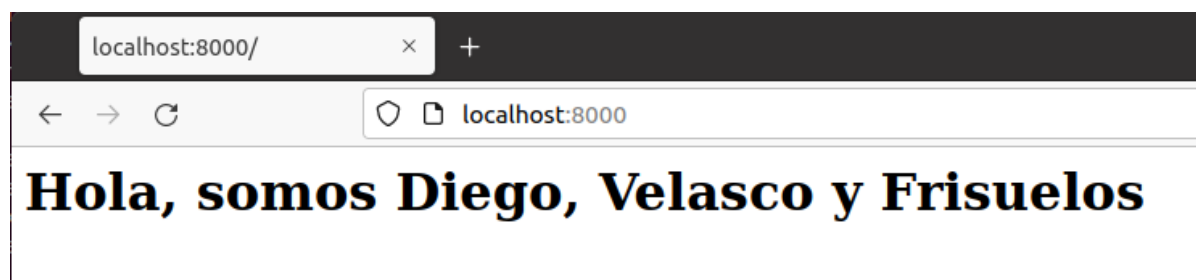
Pantallazo que desde el navegador muestre el fichero `index.html`

```
docker run -d --name web -p 8000:80 php:7.4-apache
docker exec -it web bash
(desde dentro del contenedor 'web'){
    echo "<h1>Hola, somos XXXXXXXXXXXXX</h1>" > index.html
    apt-get update
    apt-get install nano
    nano index.html
}
```

```
sergio@sergio-VirtualBox:~/Escritorio/Trabajo-Grupal-DAW/Ejercicio Inicial$ docker run -d --name web -p 8000:80 php:7.4-apache
Unable to find image 'php:7.4-apache' locally
7.4-apache: Pulling from library/php
a2abf6c4d29d: Already exists
c5608244554d: Pull complete
2d07066487a0: Pull complete
1b6dfaf1958c: Pull complete
32c5e6a60073: Pull complete
90cf855b27cc: Pull complete
8b0f1068c586: Pull complete
5355461305e8: Pull complete
ad1eec592342: Pull complete
e03fbc76cb78: Pull complete
1f5796e48b39: Pull complete
72f8e8e1d4e7: Pull complete
96edece66175: Pull complete
Digest: sha256:729ad01c7d8e10fd992a6d4f3eb05dce3fb69bdf5c4fb4a9de4be4f4f5ae4dcc
Status: Downloaded newer image for php:7.4-apache
1dd350aae28f121049c5d9a37a55dd2996e7862559321613dddecae1442e970d6
```

```
sergio@sergio-VirtualBox:~/Escritorio/Trabajo-Grupal-DAW/Ejercicio Inicial$ docker exec -it web bash
root@1dd350aae28f:/var/www/html# echo "<h1>HOLA SOY XXXXXXXXXXXXXXXXX</h1>" > index.html
```

```
root@1dd350aae28f:/var/www/html# apt-get update
Get:1 http://deb.debian.org/debian bullseye InRelease [116 kB]
Get:2 http://deb.debian.org/debian bullseye-updates InRelease [39.4 kB]
Get:3 http://security.debian.org/debian-security bullseye-security InRelease [44.1 kB]
Get:4 http://security.debian.org/debian-security bullseye-security/main amd64 Packages [107 kB]
Get:5 http://deb.debian.org/debian bullseye/main amd64 Packages [9183 kB]
Get:6 http://deb.debian.org/debian bullseye-updates/main amd64 Packages [2592 B]
Fetched 8492 kB in 7s (1133 kB/s)
Reading package lists... Done
root@1dd350aae28f:/var/www/html# apt-get install nano
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  hunspell
The following NEW packages will be installed:
  nano
0 upgraded, 1 newly installed, 0 to remove and 4 not upgraded.
Need to get 657 kB of archives.
After this operation, 2591 kB of additional disk space will be used.
Get:1 http://deb.debian.org/debian bullseye/main amd64 nano amd64 5.4-2 [657 kB]
Fetched 657 kB in 3s (191 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package nano.
(Reading database ... 14070 files and directories currently installed.)
Preparing to unpack .../archives/nano_5.4-2_amd64.deb ...
Unpacking nano (5.4-2) ...
Setting up nano (5.4-2) ...
update-alternatives: using /bin/nano to provide /usr/bin/editor (editor) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/nano.1.gz because associated file /usr/share/man/man1/nano.1.gz (of link group editor) doesn't exist
update-alternatives: using /bin/nano to provide /usr/bin/pico (pico) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/pico.1.gz because associated file /usr/share/man/man1/nano.1.gz (of link group pico) doesn't exist
root@1dd350aae28f:/var/www/html# nano index.html
root@1dd350aae28f:/var/www/html# exit
```



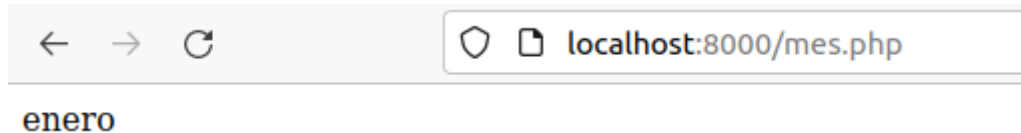
Ejercicio 2

Pantallazo que desde un navegador muestre la salida del script `mes.php`

```
touch mes.php
nano mes.php
```

```
root@1dd350aae28f:/var/www/html# touch mes.php
root@1dd350aae28f:/var/www/html# nano mes.php
```

```
#!/php
$meses = ["enero", "febrero", "marzo", "abril", "mayo", "junio", "julio", "agosto", "septiembre", "octubre", "noviembre", "diciembre"][date("n") - 1];
echo $meses;
```



Ejercicio 3

Pantallazo donde se vea el tamaño del contenedor `web` después de crear los dos ficheros.

```
docker system df
```

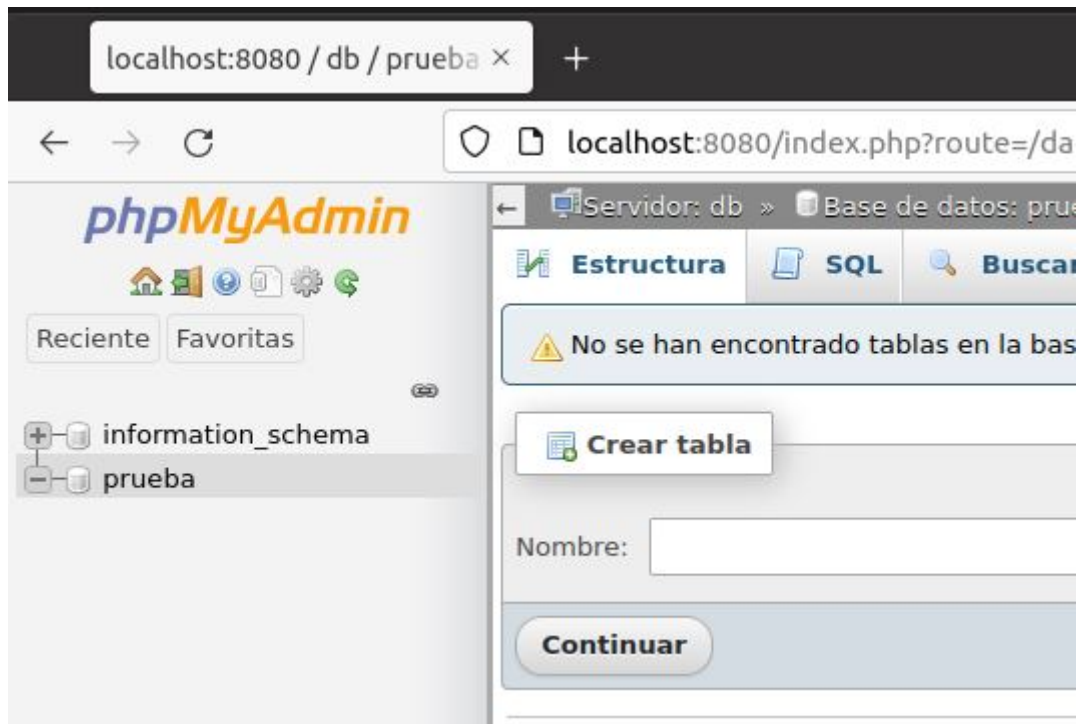
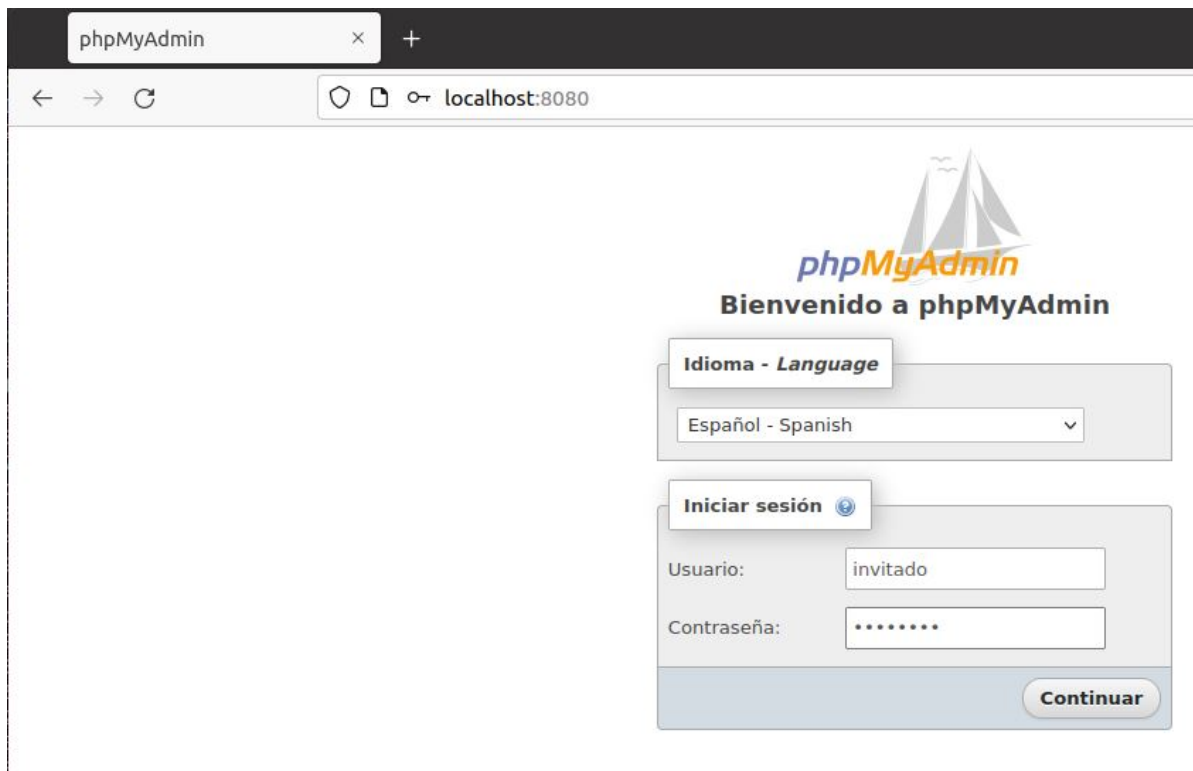
```
sergio@sergio-VirtualBox:~$ docker system df
TYPE                TOTAL        ACTIVE        SIZE          RECLAIMABLE
Images              8             1            826.1MB       437.4MB (52%)
Containers          1             0            19.51MB       19.51MB (100%)
Local Volumes       0             0             0B            0B
Build Cache         0             0             0B            0B
```

Servidor de base de datos

Ejercicio 1

Pantallazo donde desde un cliente de base de datos (instalado en tu ordenador) se pueda observar que hemos podido conectarnos al servidor de base de datos con el usuario creado y que se ha creado la base de datos `prueba` (`show databases`). El acceso se debe realizar desde el ordenador que tenéis instalado `docker`, no hay que acceder desde dentro del contenedor, es decir, no usar `docker exec`.

```
docker run --name bbdd -e MYSQL_ROOT_PASSWORD=root -e MARIADB_USER=invitado -e MARIADB_PASSWORD=invitado -e MARIADB_DATABASE=prueba -d -p 3336:3336 mariadb
docker run --name myadmin -d --link bbdd:db -p 8080:80 phpmyadmin
```



Ejercicio 2

Pantallazo donde se comprueba que no se puede borrar la imagen `mariadb` mientras el contenedor `bbdd` está creado.

```
docker rmi mariadb
```

```
sergio@sergio-VirtualBox:~$ docker rmi mariadb
Error response from daemon: conflict: unable to remove repository reference "mariadb" (must force) - container ab9bb276870e is using its referenced image d462573d8688
```

