

# Docker Taller 1

## 1. Instalación de imágenes.

Para la realización de este paso debemos usar el comando docker pull. Una vez instaladas, podemos verlas de la siguiente manera:

```
C:\Users\josem>docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
php	7.4-apache	20a3732f422b	5 hours ago	453MB
jenkins/jenkins	lts	25fa92c47840	21 hours ago	463MB
jenkins/jenkins	lts-jdk11	4e9055fd35b3	13 days ago	463MB
httpd	latest	fe8735c23ec5	3 weeks ago	145MB
ubuntu	18.04	71eaf13299f4	3 weeks ago	63.1MB
docker/getting-started	latest	cb90f98fd791	7 months ago	28.8MB
tomcat	9.0.39-jdk11	2703bbe9e9d4	2 years ago	648MB

## 2. Creación contenedor PHP

Se crea el contenedor con el nombre servidor\_web y en el puerto 8181

```
C:\Users\josem>docker run -d -p 8181:80 --name servidor_web 20a3732f422b
8100258a31aac317ed44baa5e13af74dec0f0d014d7b70c5ff8b702c37e96a60
```

```
C:\Users\josem>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
8100258a31aa	20a3732f422b	"docker-php-entrypoi..."	6 seconds ago	Up 6 seconds	0.0.0.0:8181->80/tcp	servidor_web

## 3. Creación del index.html

Primero accedemos a /var/www/html/ a través de /bin/bash y creamos el archivo index.html

```
C:\Users\josem>docker exec -i -t servidor_web /bin/bash
```

```
root@8100258a31aa:/var/www/html# echo '<h1>HOLA SOY JOSE MANUEL MARIN DOMINGUEZ<h1>' > index.html
root@8100258a31aa:/var/www/html# exit
exit
```

```
C:\Users\josem>docker exec -ti servidor_web ls -la /var/www/html/
```

```
total 16
drwxrwxrwx 1 www-data www-data 4096 Nov 15 11:25 .
drwxr-xr-x 1 root      root    4096 Nov 15 04:13 ..
-rw-r--r-- 1 root      root     45 Nov 15 11:25 index.html
```

```
< > localhost:8181
[Icons] Mails y paginas [Icons] Información [Icons] Descargas [Icons] Youtube [Icons] Tiendas [Icons] Estudios [Icons] Apendier [Icons] Trabajo [Icons] Mis programas [Icons] Hacks [Icons] No
```

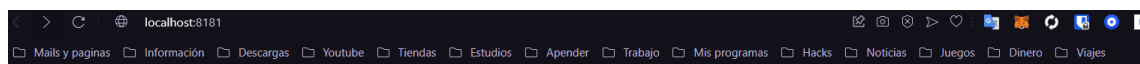
**HOLA SOY JOSE MANUEL MARIN DOMINGUEZ**


## 4. Creación del index.php

Igual que en el paso anterior, accedemos a /var/www/html/ a través de /bin/bash y creamos el archivo index.php

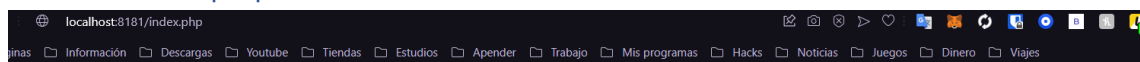
```
C:\Users\josem>docker exec -i -t servidor_web /bin/bash
root@8100258a31aa:/var/www/html# echo '<?php echo phpinfo(); ?>' > index.php
root@8100258a31aa:/var/www/html# exit
exit
```


```
C:\Users\josem>docker exec -ti servidor_web ls -la /var/www/html/
total 20
drwxrwxrwx 1 www-data www-data 4096 Nov 15 11:31 .
drwxr-xr-x 1 root      root    4096 Nov 15 04:13 ..
-rw-r--r-- 1 root      root      45 Nov 15 11:25 index.html
-rw-r--r-- 1 root      root      25 Nov 15 11:31 index.php
```



PHP Version 7.4.33	
	
System	Linux 8100258a31aa 5.10.102.1-microsoft-standard-WSL2 #1 SMP Wed Mar 2 00:30:59 UTC 2022 x86_64
Build Date	Nov 15 2022 06:03:12
Configure Command	'/configure' '--build=x86_64-linux-gnu' '--with-config-file-path=/usr/local/etc/php' '--with-config-file-scan-dir=/usr/local/etc/php/conf.d' '--enable-option-checking=fatal' '--with-mhash' '--with-pic' '--enable-ftp' '--enable-mbstring' '--enable-mysqlnd' '--with-password-argon2' '--with-sodium=shared' '--with-pdo-sqlite=/usr' '--with-sqlite3=/usr' '--with-curl' '--with-iconv' '--with-openssl' '--with-readline' '--with-zlib' '--disable-phpdbg' '--with-pear' '--with-libdir=lib/x86_64-linux-gnu' '--disable-cgi' '--with-apxs2' 'build_alias=x86_64-linux-gnu'
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/usr/local/etc/php
Loaded Configuration File	(none)
Scan this dir for additional .ini files	/usr/local/etc/php/conf.d
Additional .ini files parsed	/usr/local/etc/php/conf.d/docker-php-ext-sodium.ini
PHP API	20190902
PHP Extension	20190902
Zend Extension	320190902
Zend Extension Build	API320190902.NTS
PHP Extension Build	API20190902.NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	provided by mbstring
IPv6 Support	enabled
DTrace Support	disabled
Registered PHP Streams	https, ftps, compress.zlib, php, file, glob, data, http, ftp, phar
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2, tlsv1.3
Registered Stream Filters	zlib * compress.zlib * string.rot13 * string.toupper * string.tolower * string.strip * string.strip_tags * convert.* * consumed * darwin*

## 5. Index.php e index.html



PHP Version 7.4.33	
	
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Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/usr/local/etc/php
Loaded Configuration File	(none)

# HOLA SOY JOSE MANUEL MARIN DOMINGUEZ

## 6. Eliminar contenedor

Para poder eliminarse un contenedor primero debe ser parado

```
C:\Users\josem>docker ps
CONTAINER ID   IMAGE          COMMAND
8100258a31aa   20a3732f422b  "docker-php-ent

C:\Users\josem>docker stop 8100258a31aa
8100258a31aa

C:\Users\josem>docker rm -f 8100258a31aa
8100258a31aa
```