LAB: Start a PHP Docker Container

You need:

- An AWS Account

Duration of the Lab: 30 Minutes.

Difficulty: easy

Start a PHP Docker Container

In the directory where your index.php and your index.html file from the previous lecture is located at, start a docker container:
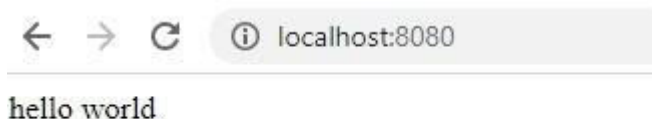

Run the following command:

```
docker run --rm -v ${PWD}:/var/www/html -p 8080:80 php:7.3-apache
```
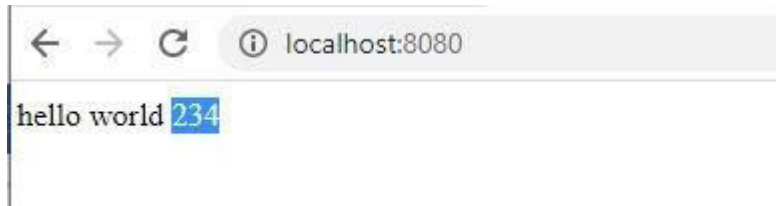
This will download the image php with tag 7.3-apache. It will map port 8080 from your host OS to port 80 in the container (apache standard port). It will also bind-mount the directory you are currently in from your Host OS to the directory /var/www/html in the container.

Open localhost:8080 in your browser

You should see the output.

Now change the index.php file, echo "hello world 234". Save and reload the browser:

You should see the output immediately.

End the Docker Container

In the terminal where the docker container is running hit ctrl-c.

Sometimes this will end the container, check this with

```
docker ps
```

```
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.2. Set the 'ServerName' directive g
lobally to suppress this message
[Wed Mar 25 04:31:36.168030 2020] [mpm_prefork:notice] [pid 1] AH00163: Apache/2.4.38 (Debian) PHP/7.3.16 configured -- resuming normal ope
rations
[Wed Mar 25 04:31:36.168247 2020] [core:notice] [pid 1] AH00094: Command line: 'apache2 -D FOREGROUND'
172.17.0.1 - - [25/Mar/2020:04:35:31 +0000] "GET / HTTP/1.1" 200 241 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHT
ML, like Gecko) Chrome/80.0.3987.149 Safari/537.36"         I
172.17.0.1 - - [25/Mar/2020:04:35:47 +0000] "GET / HTTP/1.1" 200 245 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHT
ML, like Gecko) Chrome/80.0.3987.149 Safari/537.36"
myAwesomeProject> docker ps
CONTAINER ID        IMAGE            COMMAND             CREATED         STATUS          PORTS               NAMES
2aff3c702bae        php:7.3-apache   "docker-php-entrypoi…"  7 days ago   Up 5 minutes    0.0.0.0:8080->80/tcp  boring_ishi
zaka
myAwesomeProject> █
```

If it is still running end the container with:

```
docker stop [containerID]
```

```
myAwesomeProject> docker ps
CONTAINER ID        IMAGE            COMMAND             CREATED         STATUS          PORTS               NAMES
2aff3c702bae        php:7.3-apache   "docker-php-entrypoi…"  7 days ago   Up 5 minutes    0.0.0.0:8080->80/tcp  boring_ishi
zaka
myAwesomeProject> docker stop 2a
2a
myAwesomeProject> docker ps              I
CONTAINER ID        IMAGE            COMMAND             CREATED         STATUS          PORTS               NAMES
myAwesomeProject> docker ps -a
CONTAINER ID        IMAGE            COMMAND             CREATED         STATUS          PORTS               NAMES
myAwesomeProject> █
```

Lab End