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Docker App

The goal is to set a project for Docker

The app has php myadmin, mysql and apache.

How it works

Make sure you have Docker installed on your local machine.

Download demo_docker.zip from: https://github.com/VladULazarev/docker
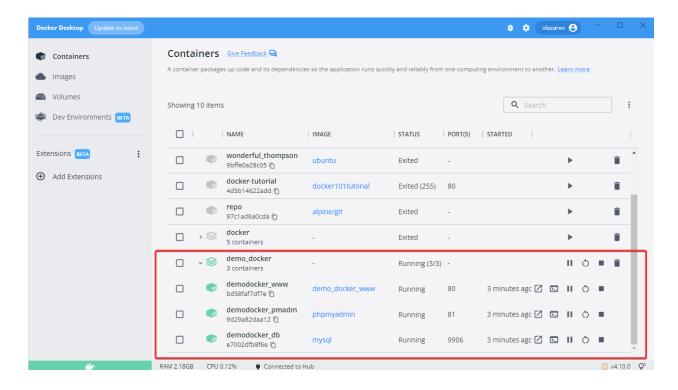
Unzip it into your project directory.

Or create your own local repository: git clone https://github.com/VladULazarev/docker.git

Open your terminal and check if you are in the project directory.

In the terminal run the following command: **docker-compose up -d**

Wait for installation to be completed.

In the Docker Desktop you will see something like this:

Open PHPMyAdmin from the Docker Desktop.

login: root, password: root

Open the DB demodocker and import the demodocker.sql file from the root directory of the project.

Now you can open the project in your browser on http://localhos

The App

Enter min and max numbers for generation

5	16

Retrieve a number by id

3

Generate numbers

11

Numbers generated

In the terminal:

```
PS C:\projects\demo_docker> docker-compose up -d
[+] Running 4/4
 - Network demo_docker_default   Created
 - Container demodocker_db       Started
 - Container demodocker_pmadm    Started
 - Container demodocker_www      Started
PS C:\projects\demo_docker> docker ps
CONTAINER ID    IMAGE            COMMAND               CREATED         STATUS          PORTS                                NAMES
9d29a82daa12    phpmyadmin       "/docker-entrypoint.…"  18 seconds ago  Up 14 seconds   0.0.0.0:81->80/tcp                   demodocker_pmadm
bd58faf7df7e    demo_docker_www  "docker-php-entrypoi…"  18 seconds ago  Up 14 seconds   0.0.0.0:80->80/tcp                   demodocker_www
e7002dfb8f6e    mysql            "docker-entrypoint.s…"  18 seconds ago  Up 16 seconds   33060/tcp, 0.0.0.0:9906->3306/tcp    demodocker_db
PS C:\projects\demo_docker>
```

How the app works

You need to enter the minimum and maximum values for generating random numbers and click on 'Generate numbers'.

For example, if you enter 2 and 10 respectively, then nine random numbers will be generated and nine rows will be written to the table, where 'id' will be from 1 to 9, and random numbers from 2 to 10 will be written to 'rand_num'.

The previous generation will be removed. To get a number, you need to enter any 'id' from 1 to 9 in the 'Retrieve a number by id' field.

The script will work if you enter at least one digit.