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Docker App

The goal is to set a project for Docker

How it works

Make sure you have Docker installed on your local machine.

Download demo_docker.zip from:

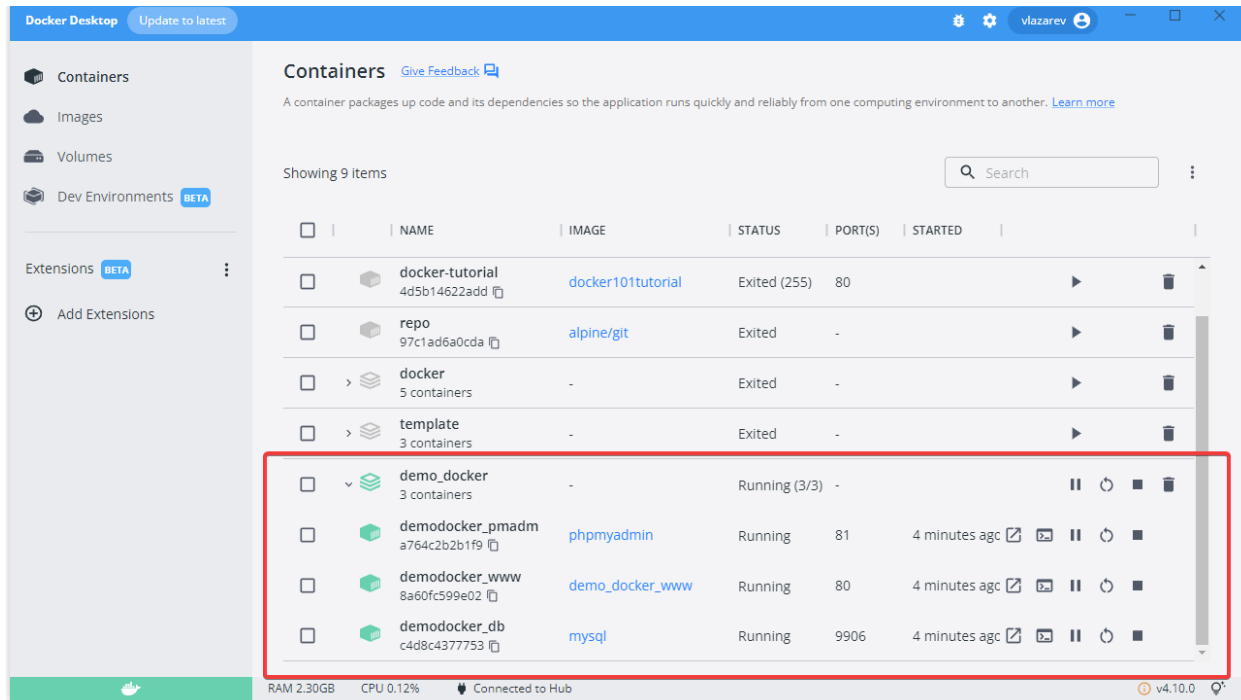
https://github.com/VladULazarev/projects/tree/main/project_three, unzip it into your project directory.

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 Docker Desktop you will see something like this:



The name of the project folder is **demo_docker**, but you can name it as you wish.

Open PHPMyAdmin from Docker Dashboard.

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://localhost>

Rest Api

Enter min and max numbers for generation

Retrieve a number by id

Generate numbers

8

Numbers generated

In the terminal:

```
PS C:\projects> cd demo_docker
PS C:\projects\demo_docker> docker-compose up -d
[+] Running 4/4
 - Network demo_docker_default Created
 - Container demodocker_db Started
 - Container demodocker_www Started
 - Container demodocker_pmadm Started
PS C:\projects\demo_docker> docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
a764c2b2b1f9   phpmyadmin     "/docker-entrypoint...." 10 seconds ago Up 7 seconds  0.0.0.0:81->80/tcp                 demodocker_pmadm
8a60fc599e02   demo_docker_www "docker-php-entrypoi..." 10 seconds ago Up 7 seconds  0.0.0.0:80->80/tcp                 demodocker_www
c4d8c4377753   mysql         "docker-entrypoint.s..." 10 seconds ago Up 9 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.