

Домашняя работа №5

Задание 1:

- 1) создать docker compose файл, состоящий из 2 различных контейнеров: 1 - веб, 2 - БД
- 2) запустить docker compose файл
- 3) по итогу на БД контейнере должно быть 2 реплики, на админере должна быть 1 реплика. Всего должно получиться 3 контейнера

```
yakdd@yddux: ~/dockerdir
yakdd@yddux:~/dockerdir$ ls -l
итого 12
-rw-rw-r-- 1 yakdd yakdd 357 июл 26 13:02 docker-compose.yml
-rw-rw-r-- 1 yakdd yakdd 50 июл 22 20:13 Dockerfile
-rw-rw-r-- 1 yakdd yakdd 1185 июл 22 22:16 mariadb.cnf
yakdd@yddux:~/dockerdir$ nano Dockerfile
yakdd@yddux:~/dockerdir$ cat Dockerfile
FROM mariadb:10.10.2
RUN mkdir /hw5
yakdd@yddux:~/dockerdir$ cat docker-compose.yml
version: '3.9'

services:

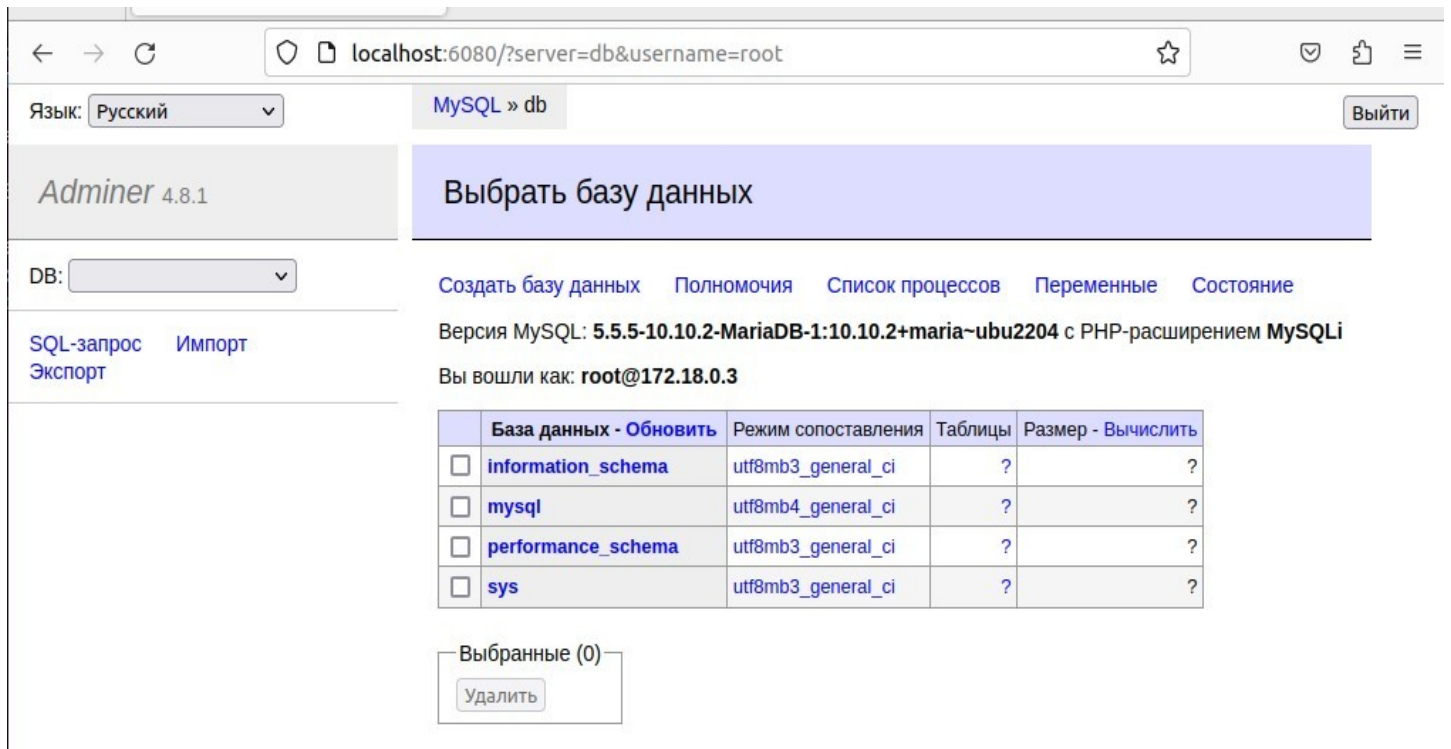
  db:
    build:
      dockerfile: ./Dockerfile
    environment:
      MYSQL_ROOT_PASSWORD: 123
    deploy:
      mode: replicated
      replicas: 2

  adminer:
    image: adminer:4.8.1
    restart: always
    ports:
      - 6080:8080
    volumes:
      - ./myfolder:/myfolder
    deploy:
      mode: replicated
      replicas: 1
yakdd@yddux:~/dockerdir$
```

```
yakdd@yddux: ~/dockerdir
yakdd@yddux:~/dockerdir$ docker compose up
[+] Running 1/1
✓ adminer Pulled
[+] Building 15.5s (6/6) FINISHED
=> [db internal] load build definition from Dockerfile
=> => transferring dockerfile: 73B
=> [db internal] load .dockerignore
=> => transferring context: 2B
=> [db internal] load metadata for docker.io/library/mariadb:10.10.2
=> CACHED [db 1/2] FROM docker.io/library/mariadb:10.10.2
=> [db 2/2] RUN mkdir /hw5
=> [db] exporting to image
=> => exporting layers
=> => writing image sha256:88a47b4549b84246ee3d62c2060445c1d16310cedeb4d9c5f32f515ca81b30d6
=> => naming to docker.io/library/dockerdir-db
[+] Running 4/4
✓ Network dockerdir_default Created
✓ Container dockerdir-db-2 Created
✓ Container dockerdir-adminer-1 Created
✓ Container dockerdir-db-1 Created
Attaching to dockerdir-adminer-1, dockerdir-db-1, dockerdir-db-2
```

```
yakdd@yddux: ~/dockerdir

yakdd@yddux: ~/dockerdir
yakdd@yddux: ~/dockerdir$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS
51de7f937676   dockerdir-db   "docker-entrypoint.s..." 10 minutes ago Up 10 minutes 3306/tcp
7c538f74e994   dockerdir-db   "docker-entrypoint.s..." 10 minutes ago Up 10 minutes 3306/tcp
d3ee6b157b4f   adminer:4.8.1   "entrypoint.sh php -..." 10 minutes ago Up 10 minutes 0.0.0.0:6080->8080/tcp,
:::6080->8080/tcp dockerdir-adminer-1
yakdd@yddux: ~/dockerdir$
```



Задание 1*: создать docker compose файл, состоящий из nginx, php-fpm и db, прикрутить php-файл

Связка из трех контейнеров получилась, но помянуть стартовую страницу nginx не вышло

```
yakdd@yddux: ~/dockerdir$ cat Dockerfile
FROM nginx:latest
COPY index.html /usr/share/nginx/html/index.html
yakdd@yddux: ~/dockerdir$ cat index.html
<!DOCTYPE html>
<html>
<body>

<?php phpinfo(); ?>

</body>
</html>
yakdd@yddux: ~/dockerdir$
```

```
yakdd@yddux: ~/dockerdir
yakdd@yddux:~/dockerdir$ cat Dockerfile
FROM nginx:latest
COPY index.html /usr/share/nginx/html/
yakdd@yddux:~/dockerdir$ cat docker-compose.yml
version: '3.9'

services:

  nginx:
    build:
      dockerfile: ./Dockerfile
    ports:
      - 8080:80
    volumes:
      - ./:/var/www/test/
    networks:
      - hw5

  phpfpn:
    image: 'bitnami/php-fpm:latest'
    volumes:
      - ./:/var/www/test/
    networks:
      - hw5

  db:
    image: mariadb
    restart: always
    environment:
      MARIADB_ROOT_PASSWORD: 123
    networks:
      - hw5

networks:
  hw5:
    driver: bridge
yakdd@yddux:~/dockerdir$
```



```
root@f1d380a9ffd9:/usr/share/nginx/html# cat index.html
<!DOCTYPE html>
<html>
<body>

<?php phpinfo(); ?>

</body>
</html>
root@f1d380a9ffd9:/usr/share/nginx/html#
```

