



МИНОБРНАУКИ РОССИИ

*Федеральное государственное бюджетное образовательное учреждение
высшего образования*

«МИРЭА – Российский технологический университет»

РТУ МИРЭА

Институт Информационных технологий (ИТ)

**Кафедра инструментального и прикладного программного обеспечения
(ИиППО)**

**ОТЧЕТ ПО ПРАКТИЧЕСКОЙ РАБОТЕ № 1
по дисциплине**

«Проектирование и разработка серверных частей интернет-ресурсов»

Выполнил студент группы ИКБО-20-23

Комисарик М.А.

Принял Ассистент кафедры ИиППО

Благирев М.М.

Практическая работа выполнена

«__»_____202__ г.

(подпись студента)

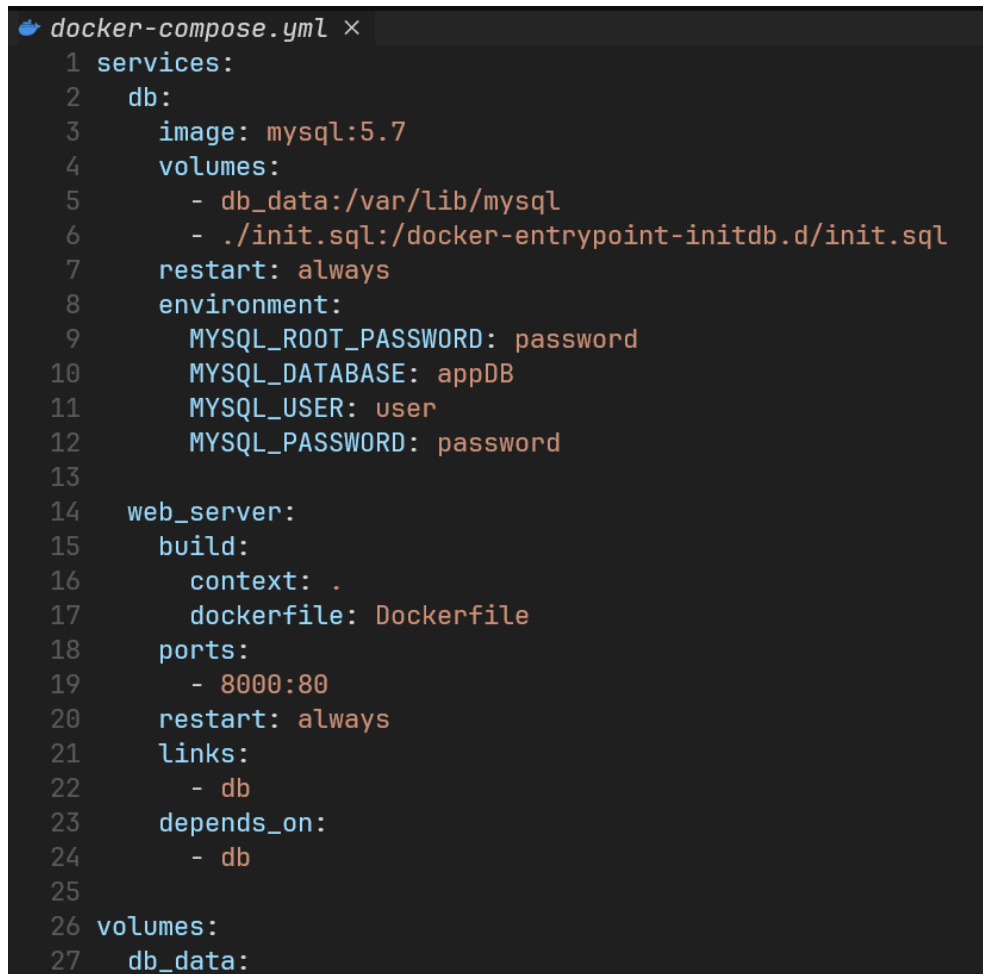
«Зачтено»

«__»_____202__ г.

(подпись руководителя)

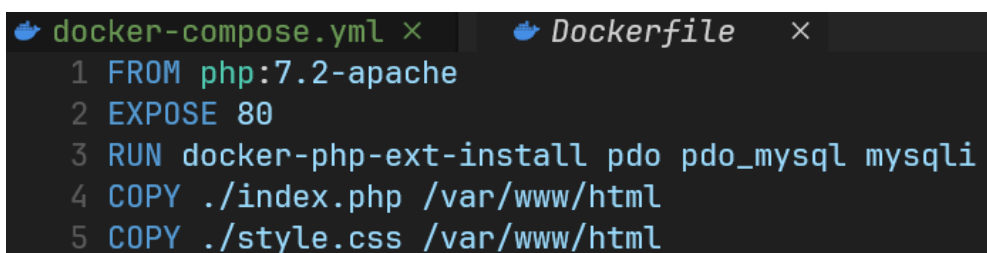
Москва 2025

ХОД РАБОТЫ



```
1 services:
2   db:
3     image: mysql:5.7
4     volumes:
5       - db_data:/var/lib/mysql
6       - ./init.sql:/docker-entrypoint-initdb.d/init.sql
7     restart: always
8     environment:
9       MYSQL_ROOT_PASSWORD: password
10      MYSQL_DATABASE: appDB
11      MYSQL_USER: user
12      MYSQL_PASSWORD: password
13
14   web_server:
15     build:
16       context: .
17       dockerfile: Dockerfile
18     ports:
19       - 8000:80
20     restart: always
21     links:
22       - db
23     depends_on:
24       - db
25
26 volumes:
27   db_data:
```

Рисунок 1 – Содержание файла docker-compose.yml в папке проекта



```
1 FROM php:7.2-apache
2 EXPOSE 80
3 RUN docker-php-ext-install pdo pdo_mysql mysqli
4 COPY ./index.php /var/www/html
5 COPY ./style.css /var/www/html
```

Рисунок 2 – Содержание файла Dockerfile в папке проекта

```
PS C:\Users\krezo\Education\sem5\Backend\Practica\Pract1> docker compose up --build
Compose can now delegate builds to bake for better performance.
To do so, set COMPOSE_BAKE=true.
[*] Building 2.5s (10/10) FINISHED
=> [web_server internal] load build definition from Dockerfile
=> => transferring dockerfile: 186B
=> [web_server internal] load metadata for docker.io/library/php:7.2-apache
=> [web_server internal] load .dockerignore
=> => transferring context: 2B
=> [web_server 1/4] FROM docker.io/library/php:7.2-apache@sha256:4dc0f0115acf8c2f0df69295ae822e49f5ad5fe8497725847f15aa0e5802b55f8
=> => resolve docker.io/library/php:7.2-apache@sha256:4dc0f0115acf8c2f0df69295ae822e49f5ad5fe8497725847f15aa0e5802b55f8
=> [web_server internal] load build context
=> => transferring context: 60B
=> CACHED [web_server 2/4] RUN docker-php-ext-install pdo pdo_mysql mysqli
=> CACHED [web_server 3/4] COPY ./index.php /var/www/html
=> CACHED [web_server 4/4] COPY ./style.css /var/www/html
=> [web_server] exporting to image
=> => exporting layers
=> => exporting manifest sha256:78f1dfdb17499b3cf9bf4830bd0fe5f4b49c8d7b466ed9fa038cd0030f619e8
=> => exporting config sha256:1adda90960c96fda4cfc00713bf15866f495b7c2f214c23ec365bca3bf4162
=> => exporting attestation manifest sha256:5ed55b39c19f6cc259b9a4edc9d17bb5f1a808858bd9b94629e4df525c26c259
=> => exporting manifest list sha256:dadc9776e3bd537107aa542182b85e9ba41f180ce34fe0d8409178b0dc2817c
=> => naming to docker.io/library/pract1-web_server:latest
=> => unpacking to docker.io/library/pract1-web_server:latest
=> [web_server] resolving provenance for metadata file
[*] Running 4/4
web_server Built 0.0s
Network pract1_default Created 0.1s
Container pract1-db-1 Created 0.2s
Container pract1-web_server-1 Created 0.2s
Attaching to db-1, web_server-1
db-1 | 2025-09-12 06:36:58:08 [Note] [Entrypoint]: Entrypoint script for MySQL Server 5.7.44-1.el7 started.
web_server-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.18.0.3. Set the 'ServerName' directive globally to suppress this message
db-1 | 2025-09-12 06:36:59:00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
web_server-1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.18.0.3. Set the 'ServerName' directive globally to suppress this message
db-1 | 2025-09-12 06:36:59:00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 5.7.44-1.el7 started.
web_server-1 | [Fri Sep 12 06:36:59.318707 2025] [mpm_prefork:notice] [pid 1] AH00163: Apache/2.4.38 (Debian) PHP/7.2.34 configured -- resuming normal operations
web_server-1 | [Fri Sep 12 06:36:59.318779 2025] [core:notice] [pid 1] AH00094: Command Line: 'apache2 -D FOREGROUND'
```

Рисунок 3 – Запуск контейнеров через терминал

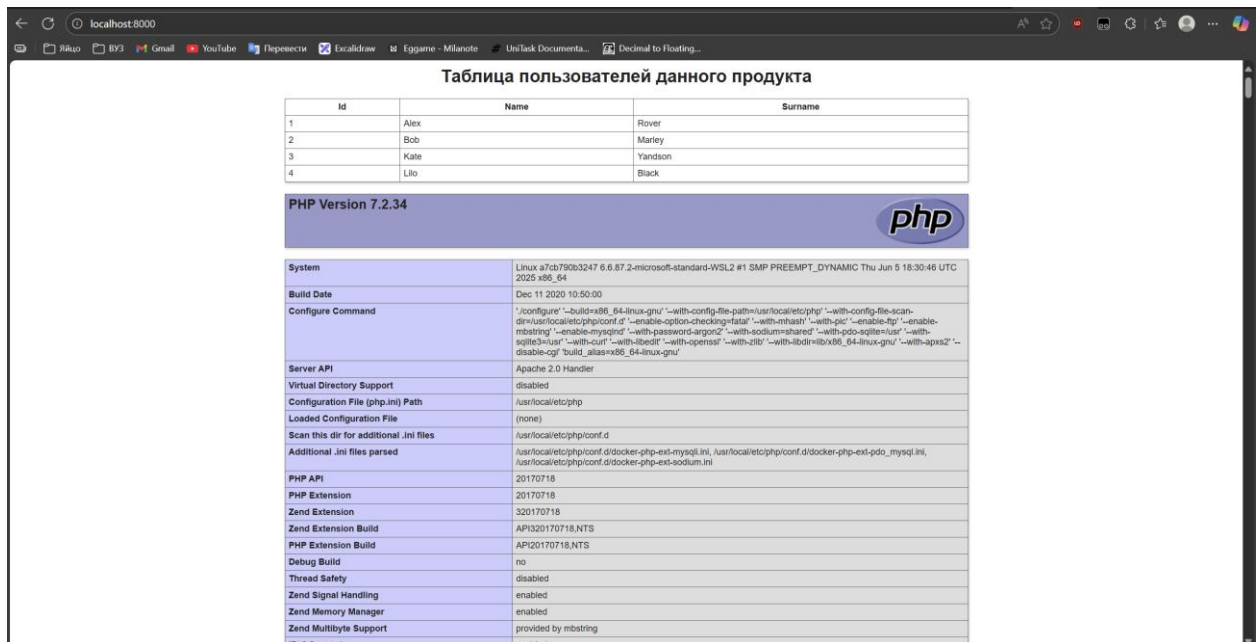


Рисунок 4 – Результат запуска сервера в браузере