**Laboratorium 9**

**Yakorev Volodymyr GL 6.3**

**P9.2**

**Plik .docker\php\dockerfile**

FROM php:8.1-fpm

RUN docker-php-ext-install pdo\_mysql

**.docker\nginx\conf.d\php.conf**

    server {

        listen 80 default\_server;

        listen [::]:80 default\_server;

        root   /var/www/php;

        index  index.php;

        location ~\* \.php$ {

            fastcgi\_pass   php:9000;

            include        fastcgi\_params;

            fastcgi\_param  SCRIPT\_FILENAME $document\_root$fastcgi\_script\_name;

            fastcgi\_param  SCRIPT\_NAME     $fastcgi\_script\_name;

        }

    }

**.docker\mysql\my.cnf**

[mysqld]

collation-server     = utf8mb4\_unicode\_ci

character-set-server = utf8mb4

**Plik docker-compose.yml**

version: "3.8"

services:

  # Nginx Service

  nginx:

    image: nginx:1.21

    ports:

      - 80:80

    volumes:

      - ./src:/var/www/php

      - ./.docker/nginx/conf.d:/etc/nginx/conf.d

    depends\_on:

      - php

  # PHP Service

  php:

    build: ./.docker/php

    working\_dir: /var/www/php

    volumes:

      - ./src:/var/www/php

    depends\_on:

      mysql:

        condition: service\_healthy

  # MySQL Service

  mysql:

    image: mysql/mysql-server:8.0

    environment:

      MYSQL\_ROOT\_PASSWORD: root

      MYSQL\_ROOT\_HOST: "%"

      MYSQL\_DATABASE: demo

    volumes:

      - ./.docker/mysql/my.cnf:/etc/mysql/conf.d/my.cnf

      - mysqldata:/var/lib/mysql

    healthcheck:

      test: mysqladmin ping -h 127.0.0.1 -u root --password=$$MYSQL\_ROOT\_PASSWORD

      interval: 5s

      retries: 10

  # PhpMyAdmin Service

  phpmyadmin:

    image: phpmyadmin/phpmyadmin:5

    ports:

      - 8080:80

    environment:

      PMA\_HOST: mysql

    depends\_on:

      mysql:

        condition: service\_healthy

volumes:

  mysqldata:

**Plik index.php**

<!DOCTYPE html>

<html>

    <head>

        <meta charset="UTF-8">

        <title>Lab 9</title>

    </head>

    <body>

        <?php

        $connection = new PDO('mysql:host=mysql;dbname=demo;charset=utf8', 'root', 'root');

        $query      = $connection->query("SELECT TABLE\_NAME FROM information\_schema.TABLES WHERE TABLE\_SCHEMA = 'demo'");

        $tables     = $query->fetchAll(PDO::FETCH\_COLUMN);

        if (empty($tables)) {

            echo '<p class="center">Brak tabel w bazie danych <code>demo</code></p>';

        } else {

            echo '<p class="center">Baza danych <code>demo</code> zawiera następujące tabele:</p>';

            echo '<ul class="center">';

            foreach ($tables as $table) {

                echo "<li>{$table}</li>";

            }

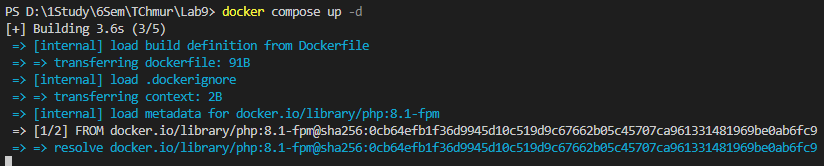
            echo '</ul>';

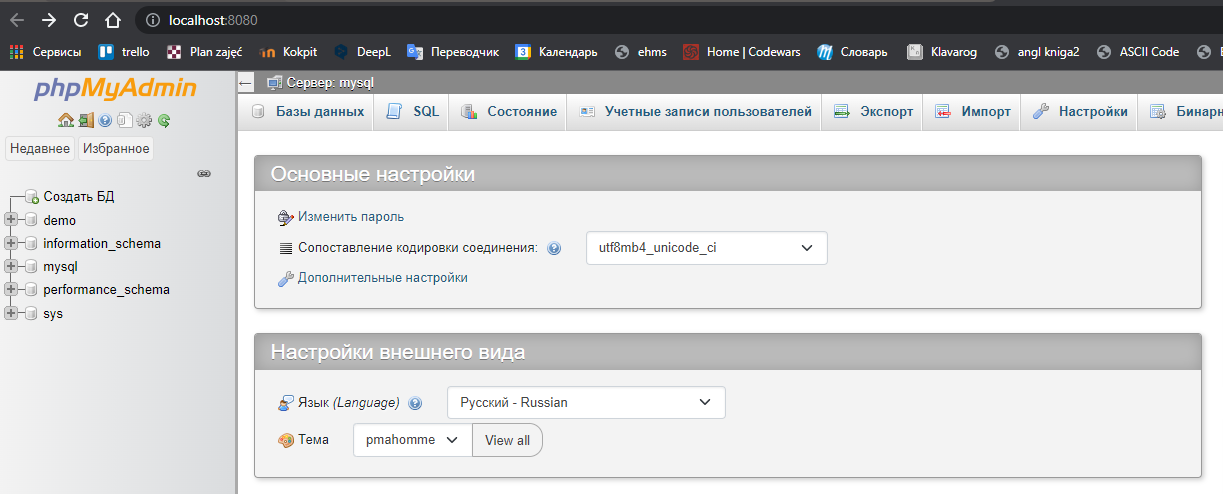
        }

        ?>

    </body>

</html>

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