

PHP: MySQL Database Support in PHP using the Shop database as an example

Below is the code for the application which is used in the [training material](#) for the MySQL database.

sklep.php

```
<?php
// Ustawienia połączenia z bazą danych
$host = 'ADRES IP';
$user = 'LOGIN';
$password = 'HASŁO';
$database = 'sklep';

// Połączenie z bazą danych
$conn = new mysqli($host, $user, $password, $database);

// Sprawdzenie połączenia
if ($conn->connect_error) {
    die("Connection error: " . $conn->connect_error);
}

// Variable to store results and errors
$resultMessage = '';
$tableOutput = '';

// Form handling
if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $query = $_POST['sql_query'] ?? '';

    if (!empty($query)) {
        if ($result = $conn->query($query)) {
            if ($result instanceof mysqli_result) {
                // Create a table with the results
                $tableOutput .= "<table border='1'
cellpadding='5'><tr>";
                while ($fieldinfo = $result->fetch_field()) {
                    $tableOutput .= "<th>{$fieldinfo->name}</th>";
                }
                $tableOutput .= "</tr>";

                while ($row = $result->fetch_assoc()) {
                    $tableOutput .= "<tr>";
                    foreach ($row as $cell) {
                        // Safe value processing (null -> empty string)
                        $tableOutput .= "<td>" . htmlspecialchars($cell
?? '' ) . "</td>";

```

```
        }
        $tableOutput .= "</tr>";
    }
    $tableOutput .= "</table>";

    $result->free();
} else {
    $resultMessage = "Request executed successfully."
}
} else {
    $resultMessage = "Query error: " . $conn->error;
}
} else {
    $resultMessage = "Query field cannot be empty."
}
}

$conn->close();
?>

<!DOCTYPE html>
<html>
<head>
    <title>Shop base preview</title>
</head>
<body>
    <h1>Base preview Shop</h1>
    <h4>Only SELECT queries can be performed here</h4>
    <form method="post">
        <label for="sql_query">Enter your SQL query:</label><br>
        <textarea name="sql_query" id="sql_query" rows="6"
cols="80"><? = htmlspecialchars($_POST['sql_query']) ?? ''
?></textarea><br><br>
        <input type="submit" value="Wykonaj zapytanie">
    </form>

    <div style="margin-top:20px;">
        <?php if (!empty($resultMessage)) echo
" <p><strong>$resultMessage</strong></p>"; ?>
        <? = $tableOutput ?>
    </div>
    <a href="LINK">Kod tej aplikacji jest dostępny tutaj</a>
</body>
</html>
```