**MODUL 9 PEMROGRAMAN BERBASIS WEB**

**FORM HANDLING DAN KONEKSI DATABASE**

1. **Source Code**

Keseluruhan source code dapat diakses pada: <https://github.com/afrzl/Pemrograman-Berbasis-Web/blob/3a42007cdda62e182ff12d283a713e996bd2e611/P9>

1. DB\_CON.php

<?php

$db\_hostname = 'localhost'; *// Write your own db server here*

$db\_database = 'pbw'; *// Write your own db name here*

$db\_username = 'root'; *// Write your own username here*

$db\_password = ''; *// Write your own password here*

*// For the best practice, don’t  use your “real” password when  submitting your work*

$db\_charset = 'utf8mb4'; *// Optional*

$dsn = "mysql:host=$db\_hostname;dbname=$db\_database;charset=$db\_charset";

$opt = [

    PDO::ATTR\_ERRMODE => PDO::ERRMODE\_EXCEPTION,

    PDO::ATTR\_DEFAULT\_FETCH\_MODE => PDO::FETCH\_ASSOC,

    PDO::ATTR\_EMULATE\_PREPARES => false,

];

1. php09A.php

<!DOCTYPE html>

<html lang='en-GB'>

<head>

    <title>PHP09 A</title>

</head>

<body>

    <?php

    echo '

      <form action="php09B.php" method="post">

        <label>Item: <input type="text" name="item"></label>

      </form>

    ';

  ?>

</body>

</html>

1. php09B.php

<!DOCTYPE html>

<html lang='en-GB'>

<head>

    <title>PHP09 B</title>

</head>

<body>

    <?php

    echo 'Item: ', $\_REQUEST['item'], "<br>";

    echo '

      <form action="php09C.php" method="post">

      <input type="hidden" value="' . $\_REQUEST['item'] .'" name="item">

      <label>Address: <input type="text" name="address"></label>

      </form>';

  ?>

</body>

</html>

1. php09C.php

<!DOCTYPE html>

<html lang='en-GB'>

<head>

    <title>PHP09 C</title>

</head>

<body>

    <?php

    echo 'Item: ', $\_REQUEST['item'], '<br>';

    echo 'Address: ', $\_REQUEST['address'], '<br>';

  ?>

  <a href="php09A.php"><button>Back</button></a>

</body>

</html>

1. php09D.php

<!DOCTYPE html>

<html lang='en-GB'>

<head>

    <title>PHP09 D</title>

</head>

<body>

    <h1>PHP and Databases</h1>

    <?php

    $db\_hostname = 'localhost'; *// Write your own db server here*

    $db\_database = 'pbw'; *// Write your own db name here*

    $db\_username = 'root'; *// Write your own username here*

    $db\_password = ''; *// Write your own password here*

*// For the best practice, don’t use your “real” password when submitting your work*

    $db\_charset = 'utf8mb4'; *// Optional*

    $dsn = "mysql:host=$db\_hostname;dbname=$db\_database;charset=$db\_charset";

    $opt = [

        PDO::ATTR\_ERRMODE => PDO::ERRMODE\_EXCEPTION,

        PDO::ATTR\_DEFAULT\_FETCH\_MODE => PDO::FETCH\_ASSOC,

        PDO::ATTR\_EMULATE\_PREPARES => false,

    ];

    try {

        $pdo = new **PDO**($dsn, $db\_username, $db\_password, $opt);

        echo "<h2>Data in meeting table (While loop)</h2>\n";

        $stmt = $pdo->query('select \* from meetings');

        echo 'Rows retrieved: ' . $stmt->rowcount() . "<br><br>\n";

        while ($row = $stmt->fetch()) {

            echo 'Slot: ', $row['slot'], "<br>\n";

            echo 'Name: ', $row['name'], "<br>\n";

            echo 'Email: ', $row['email'], "<br><br>\n";

        }

        echo "<h2>Data in meeting table (Foreach loop)</h2>\n";

        $stmt = $pdo->query('select \* from meetings');

        foreach ($stmt as $row) {

            echo 'Slot: ', $row['slot'], "<br>\n";

            echo 'Name: ', $row['name'], "<br>\n";

            echo 'Email: ', $row['email'], "<br><br>\n";

        }

        $pdo = null;

    } **catch** (PDOException $e) {

**exit**('PDO Error: ' . *$e*->*getMessage*() . '<br>');

    }

    ?>

</body>

</html>

1. php09E.php

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <title>Tambah Data Meeting</title>

    <style>

        label {

            width: 50px;

            display: inline-block;

        }

        div {

            margin-bottom: 10px

        }

    </style>

</head>

<body>

    <h1>Form Menambahkan Data Meeting</h1>

    <form action="php09E\_action.php" method="POST">

        <div>

            <label for="slot">Slot:</label>

            <input type="number" id="slot" name="slot">

        </div>

        <div>

            <label for="name">Name:</label>

            <input type="text" id="name" name="name">

        </div>

        <div>

            <label for="name">Email:</label>

            <input type="email" id="email" name="email">

        </div>

        <input type="submit" value="Tambah">

    </form>

</body>

</html>

1. php09E\_action.php

<?php

require 'DB\_CON.php';

try {

    $slot = $\_POST['slot'];

    $name = $\_POST['name'];

    $email = $\_POST['email'];

    $pdo = new PDO($dsn, $db\_username, $db\_password, $opt);

    $query = 'SELECT \* FROM meetings WHERE slot = :slot';

    $stmt = $pdo->**prepare**($query);

    $stmt->**bindParam**(':slot', $slot, PDO::PARAM\_INT);

    $stmt->**execute**();

    $row = $stmt->**fetch**(PDO::FETCH\_ASSOC);

    if ($row) {

        $message = urlencode('Slot ' . $slot . ' sudah ada');

        header('Location: php09F.php?color=red&msg=' . $message);

    }

    $query = 'INSERT INTO meetings VALUES (:slot, :name, :email)';

    $stmt = $pdo->**prepare**($query);

    $stmt->**bindparam**(':slot', $slot, PDO::PARAM\_INT);

    $stmt->**bindparam**(':name', $name, PDO::PARAM\_STR);

    $stmt->**bindparam**(':email', $email, PDO::PARAM\_STR);

    $stmt->**execute**();

    $pdo = null;

    $message = urlencode('Data berhasil ditambah');

    header('Location: php09F.php?color=green&msg=' . $message);

} catch (PDOException $e) {

    exit('PDO Error: ' . $e->**getMessage**() . '<br>');

}

1. php09F.php

<!DOCTYPE html>

<html lang='en-GB'>

<head>

    <title>PHP09 F</title>

    <style>

    table,

    th,

    td {

        border: 1px solid black;

        border-collapse: collapse;

        padding: 5px;

    }

    </style>

</head>

<body>

    <h1>PHP and Databases</h1>

    <?php

    $db\_hostname = 'localhost'; *// Write your own db server here*

    $db\_database = 'pbw'; *// Write your own db name here*

    $db\_username = 'root'; *// Write your own username here*

    $db\_password = ''; *// Write your own password here*

*// For the best practice, don’t  use your “real” password when  submitting your work*

    $db\_charset = 'utf8mb4'; *// Optional*

    $dsn = "mysql:host=$db\_hostname;dbname=$db\_database;charset=$db\_charset";

    $opt = [

        PDO::ATTR\_ERRMODE => PDO::ERRMODE\_EXCEPTION,

        PDO::ATTR\_DEFAULT\_FETCH\_MODE => PDO::FETCH\_ASSOC,

        PDO::ATTR\_EMULATE\_PREPARES => false,

    ];

    try {

        $pdo = new **PDO**($dsn, $db\_username, $db\_password, $opt);

        echo "<h2>Data in meeting table</h2>\n";

        if (isset($\_GET['msg'])) {

            echo "<p style='color: " .

                $\_GET['color'] .

                "'>" .

                $\_GET['msg'] .

                '</p>';

        }

        $stmt = $pdo->query('select \* from meetings order by slot');

        echo 'Rows retrieved: ' . $stmt->rowcount() . "<br><br>\n";

        echo "<a href='php09E.php'><button>Tambah Data</button></a>";

        echo "<table style='margin-top: 10px'>

                <thead>

                    <tr>

                        <th>Slot</th>

                        <th>Name</th>

                        <th>Email</th>

                        <th></th>

                    </tr>

                </thead>

            <tbody>";

        while ($row = $stmt->fetch()) {

            echo '<tr><td>' .

                $row['slot'] .

                '</td><td>' .

                $row['name'] .

                '</td><td>' .

                $row['email'] .

                '</td> ' .

                '<td> ' .

                '<a style="margin-right: 15px" href="php09G.php?slot=' .

                $row['slot'] .

                '"><img src="edit.svg" style="width: 30px; height: 30px"></img></a>' .

                '<a onclick="return confirm(`Apakah kamu yakin akan menghapus data?`)" href="php09H.php?slot=' .

                $row['slot'] .

                '"><img src="delete.svg" style="width: 30px; height: 30px"></img></a>' .

                '</td></tr>';

        }

        echo '</tbody></table>';

        $pdo = null;

    } catch (PDOException $e) {

        exit('PDO Error: ' . $e->getMessage() . '<br>');

    }

    ?>

</body>

</html>

1. php09G.php

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <title>Tambah Data Meeting</title>

    <style>

    label {

        width: 50px;

        display: inline-block;

    }

    div {

        margin-bottom: 10px

    }

    </style>

</head>

<body>

    <h1>Form Mengubah Data Meeting</h1>

    <?php

    require 'DB\_CON.php';

    $slot = $\_GET['slot'];

    $pdo = new PDO($dsn, $db\_username, $db\_password, $opt);

    try {

        $query = 'SELECT \* FROM meetings WHERE slot = :slot';

        $stmt = $pdo->**prepare**($query);

        $stmt->**bindParam**(':slot', $slot, PDO::PARAM\_INT);

        $stmt->**execute**();

        $row = $stmt->**fetch**(PDO::FETCH\_ASSOC);

        if (!$row) {

            $message = urlencode('Data tidak ditemukan');

            header('Location: php09F.php?color=red&msg=' . $message);

        }

        $name = $row['name'];

        $email = $row['email'];

        $pdo = null;

    } catch (PDOException $e) {

        exit('PDO Error: ' . $e->**getMessage**() . '<br>');

    }

    ?>

    <form action="php09G\_action.php" method="POST">

        <div>

            <label for="slot">Slot:</label>

            <input type="number" value="<?= $slot ?>" readonly id="slot" name="slot">

        </div>

        <div>

            <label for="name">Name:</label>

            <input type="text" value="<?= $name ?>" id="name" name="name">

        </div>

        <div>

            <label for="name">Email:</label>

            <input type="email" value="<?= $email ?>" id="email" name="email">

        </div>

        <input type="submit" value="Tambah">

    </form>

</body>

</html>

1. php09G\_action.php

<?php

require 'DB\_CON.php';

try {

    $slot = $\_POST['slot'];

    $name = $\_POST['name'];

    $email = $\_POST['email'];

    $pdo = new PDO($dsn, $db\_username, $db\_password, $opt);

    $query =

        'UPDATE meetings SET name = :name, email = :email WHERE slot = :slot';

    $stmt = $pdo->**prepare**($query);

    $stmt->**bindparam**(':slot', $slot, PDO::PARAM\_INT);

    $stmt->**bindparam**(':name', $name, PDO::PARAM\_STR);

    $stmt->**bindparam**(':email', $email, PDO::PARAM\_STR);

    $stmt->**execute**();

    $pdo = null;

    $message = urlencode('Data berhasil diubah');

    header('Location: php09F.php?color=green&msg=' . $message);

} catch (PDOException $e) {

    exit('PDO Error: ' . $e->**getMessage**() . '<br>');

}

1. php09H.php

<?php

require 'DB\_CON.php';

try {

    $slot = $\_GET['slot'];

    $pdo = new PDO($dsn, $db\_username, $db\_password, $opt);

    $query = 'DELETE FROM meetings WHERE slot = :slot';

    $stmt = $pdo->**prepare**($query);

    $stmt->**bindparam**(':slot', $slot, PDO::PARAM\_INT);

    $stmt->**execute**();

    $pdo = null;

    $message = urlencode('Data berhasil dihapus');

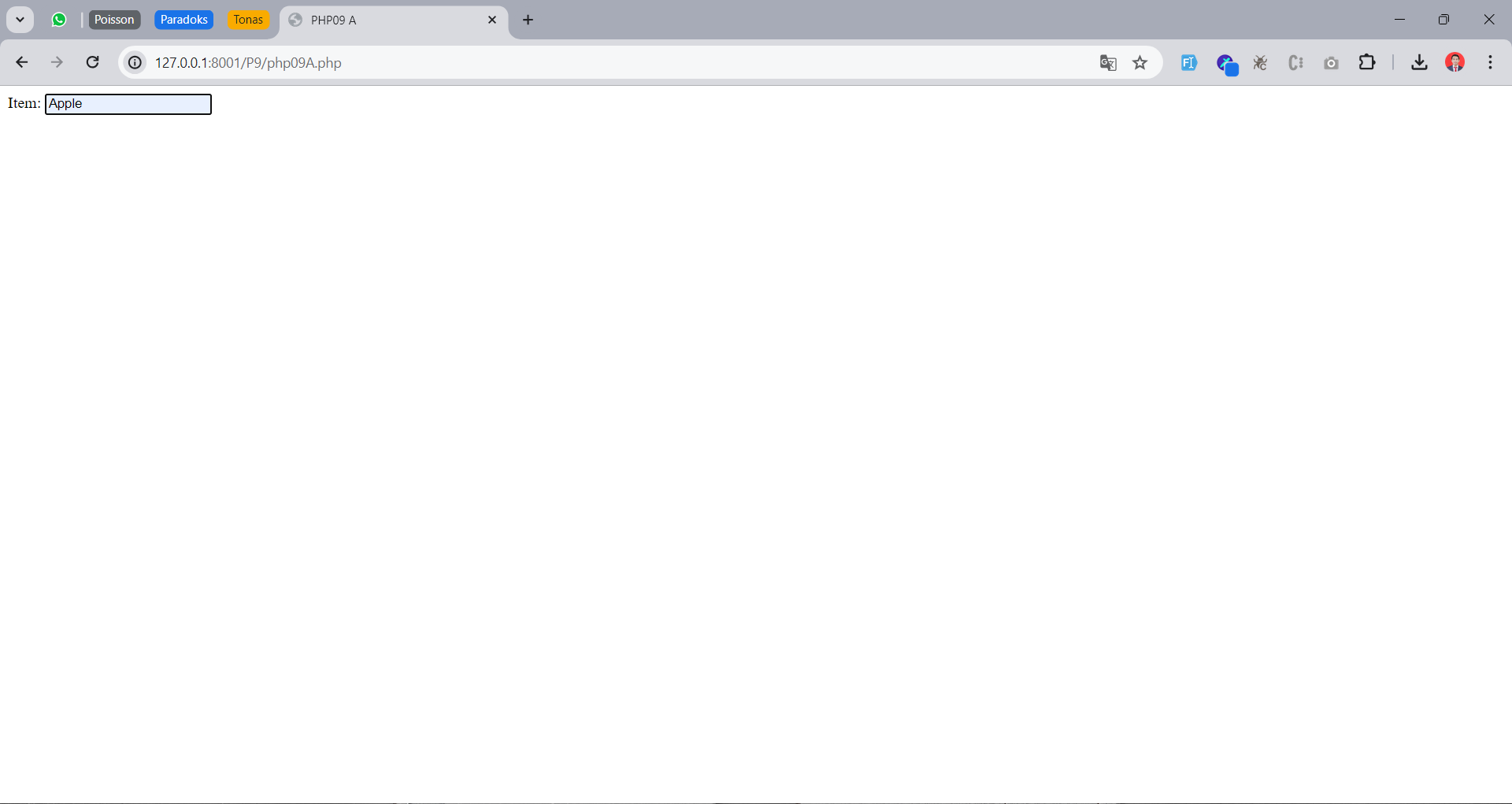
    header('Location: php09F.php?color=green&msg=' . $message);

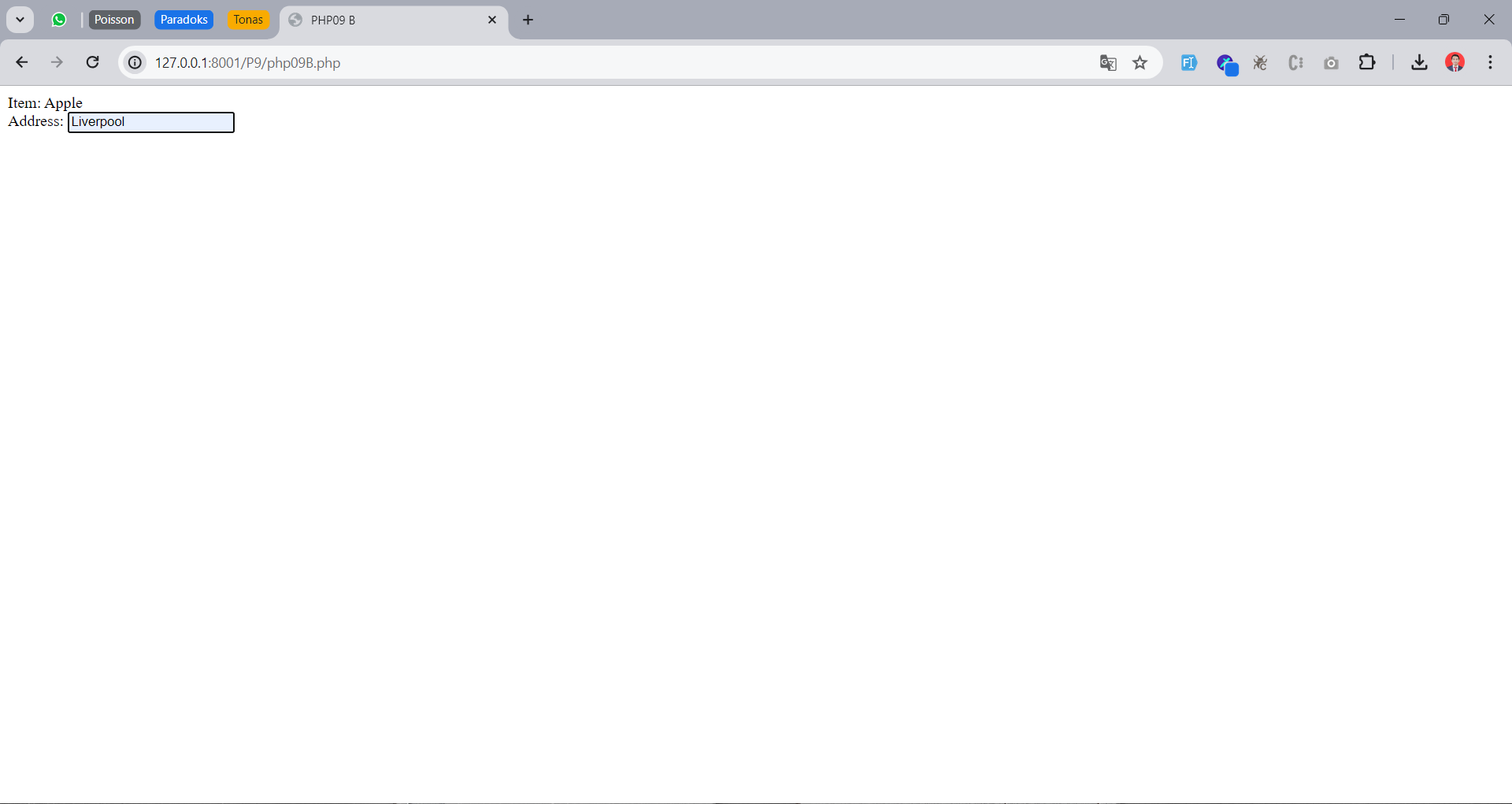
} catch (PDOException $e) {

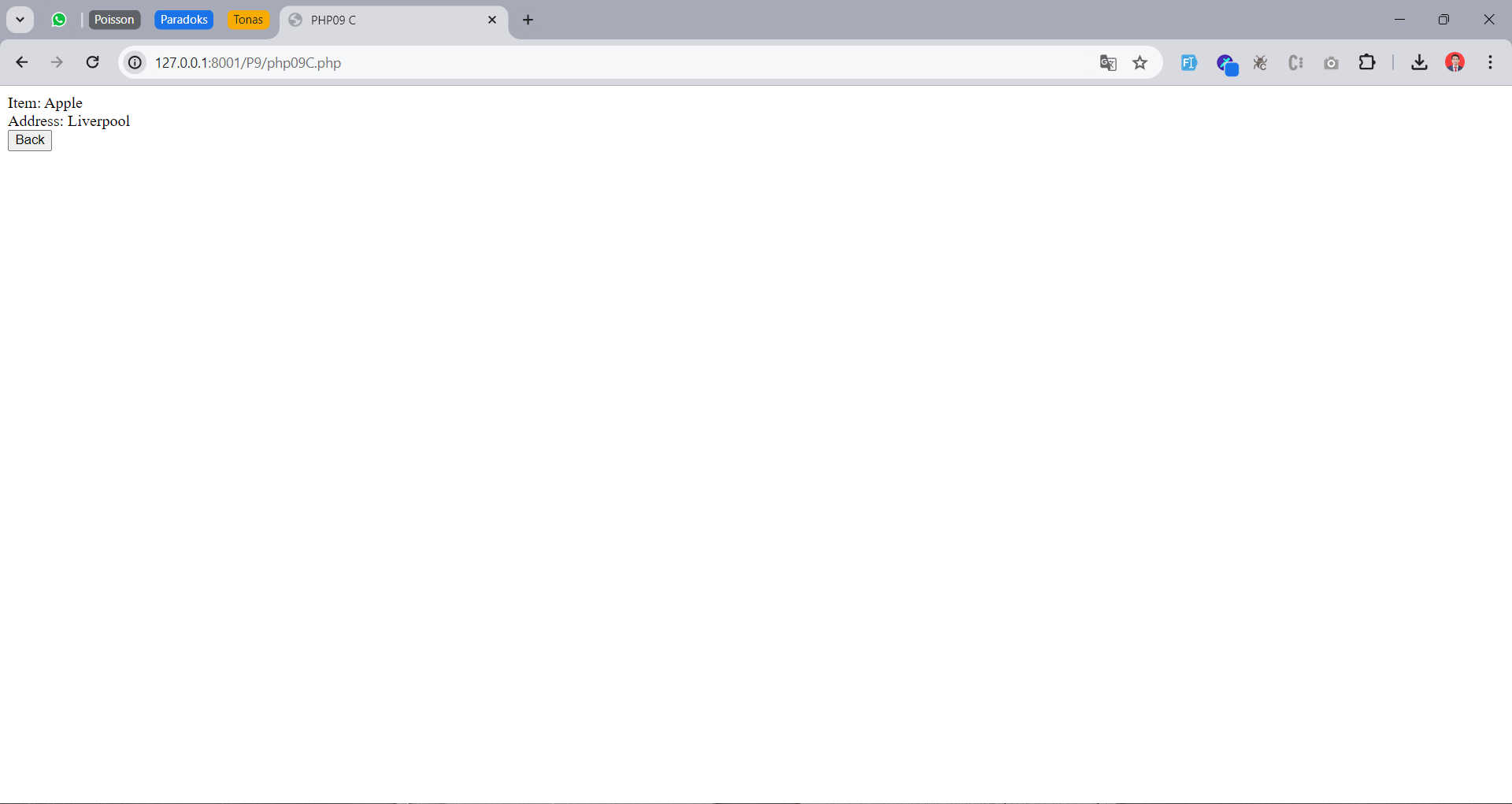
    exit('PDO Error: ' . $e->**getMessage**() . '<br>');

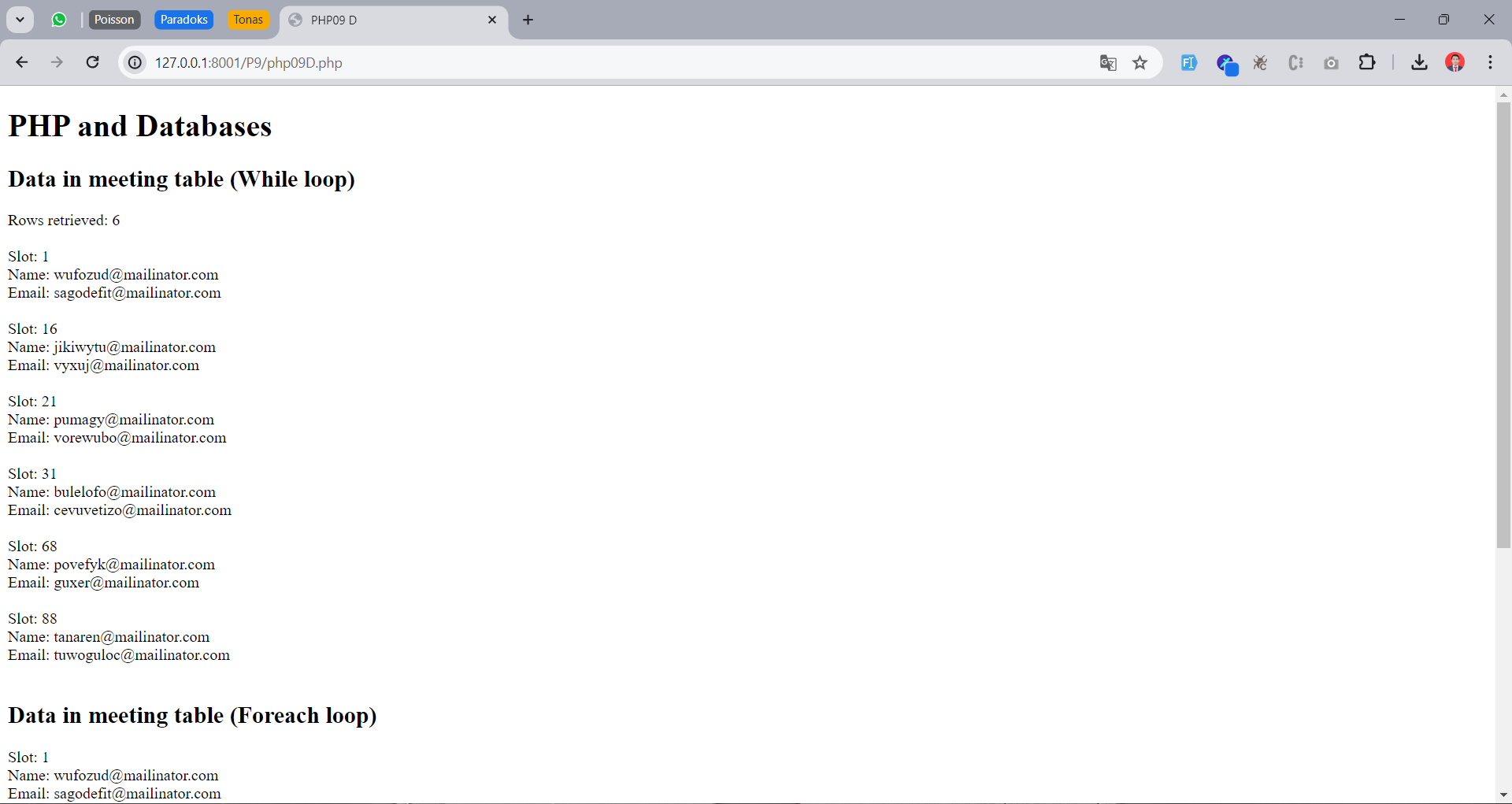
}

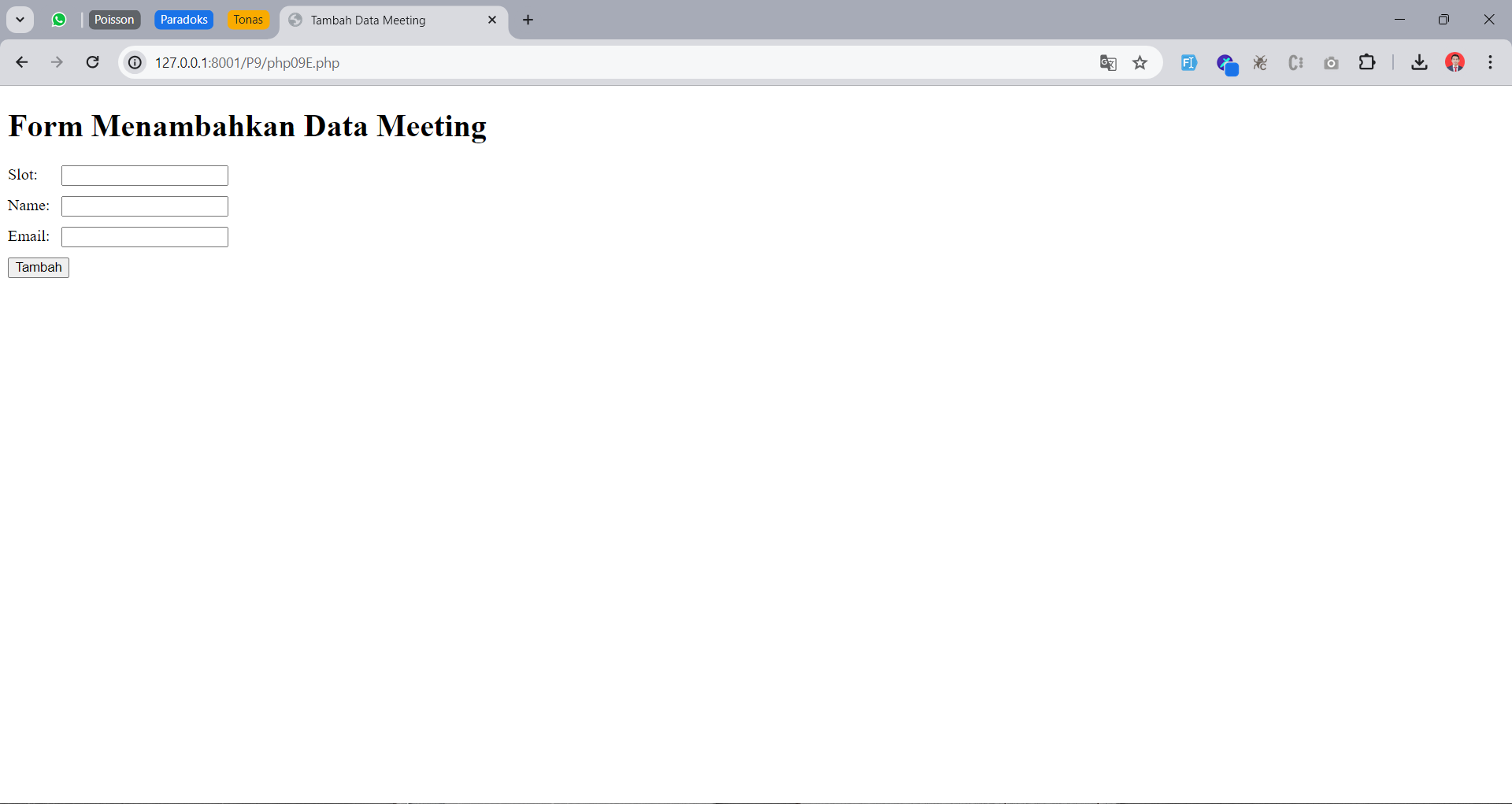
1. **Output**

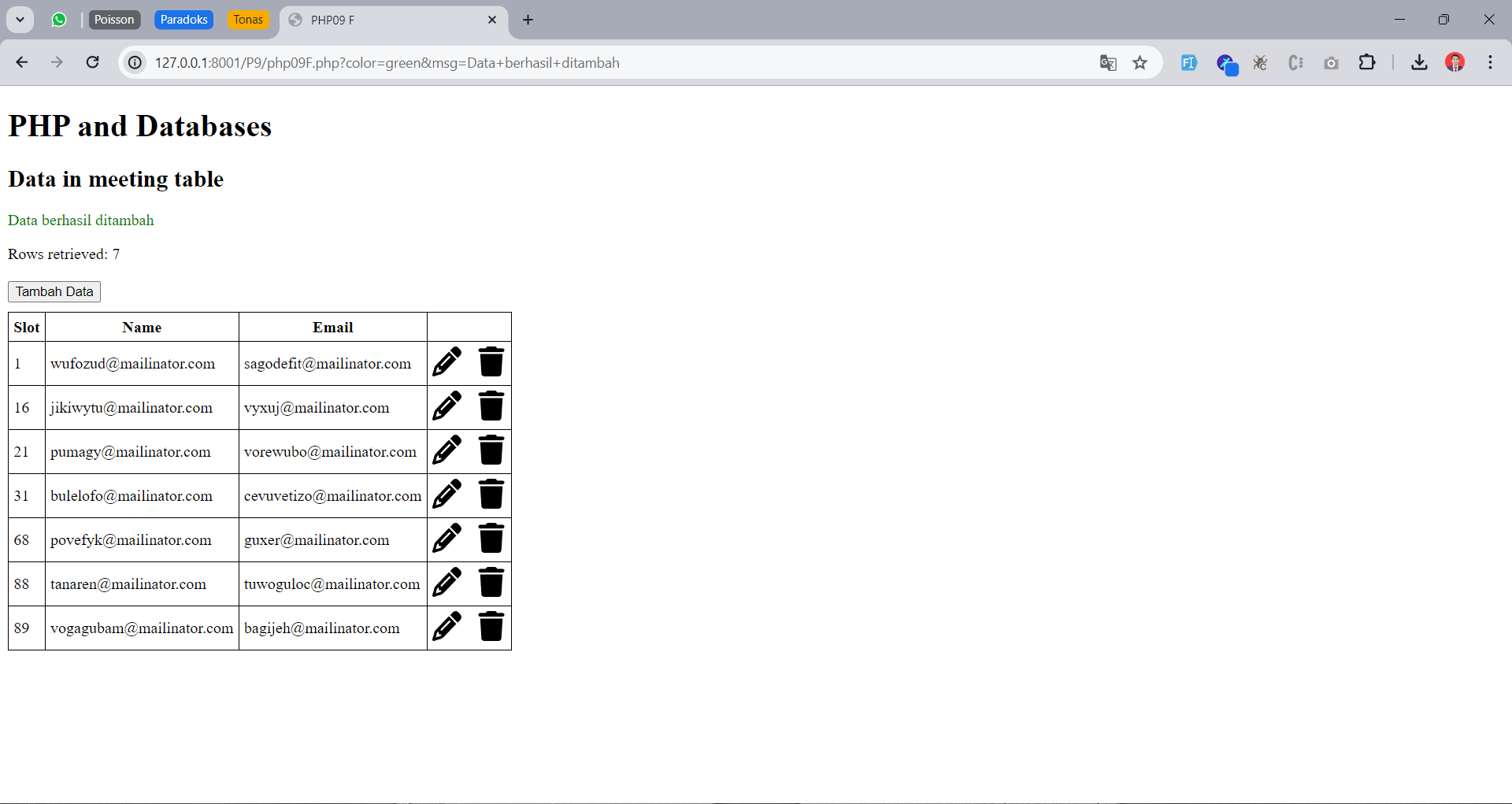
****

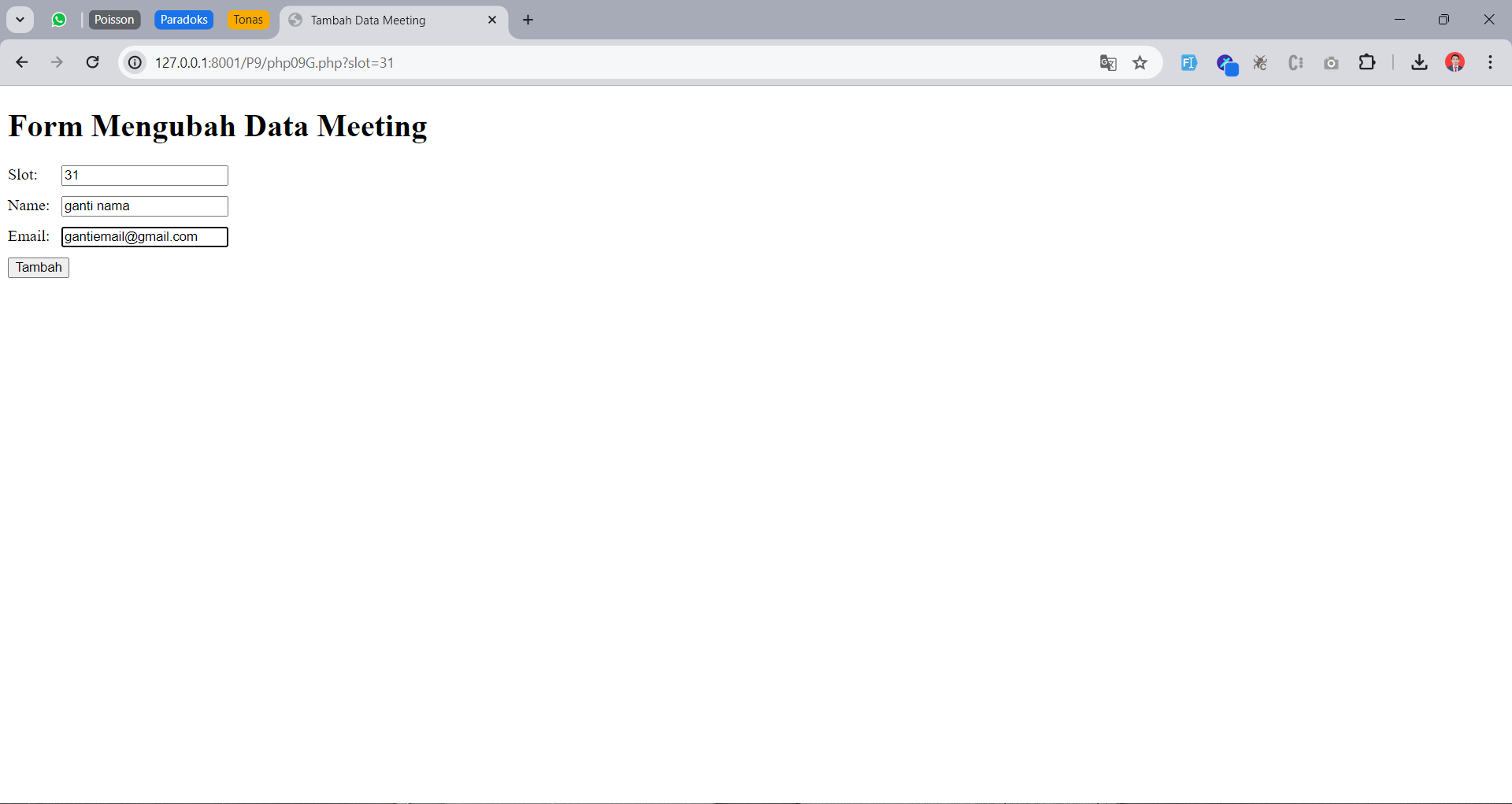
****

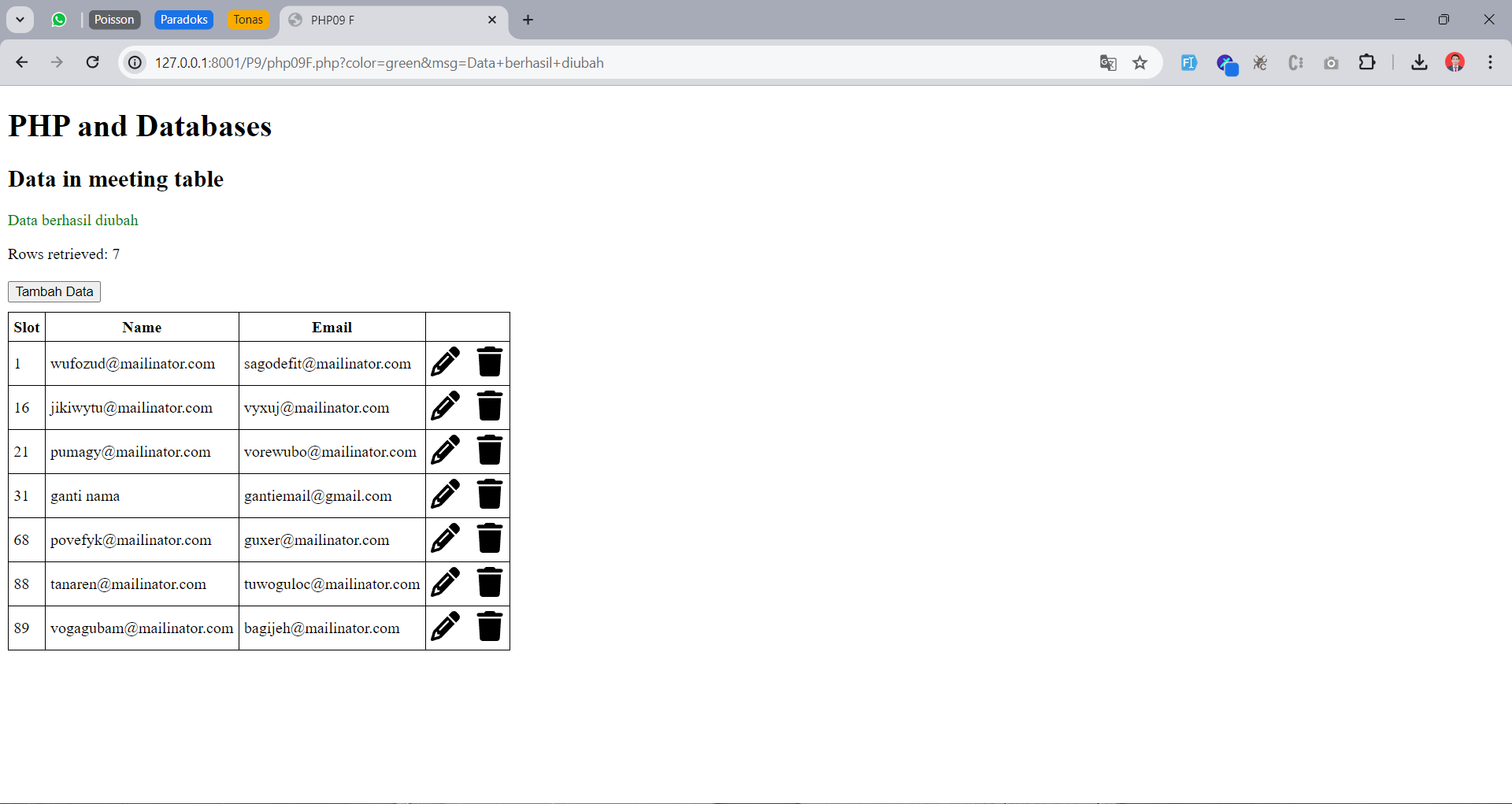
****

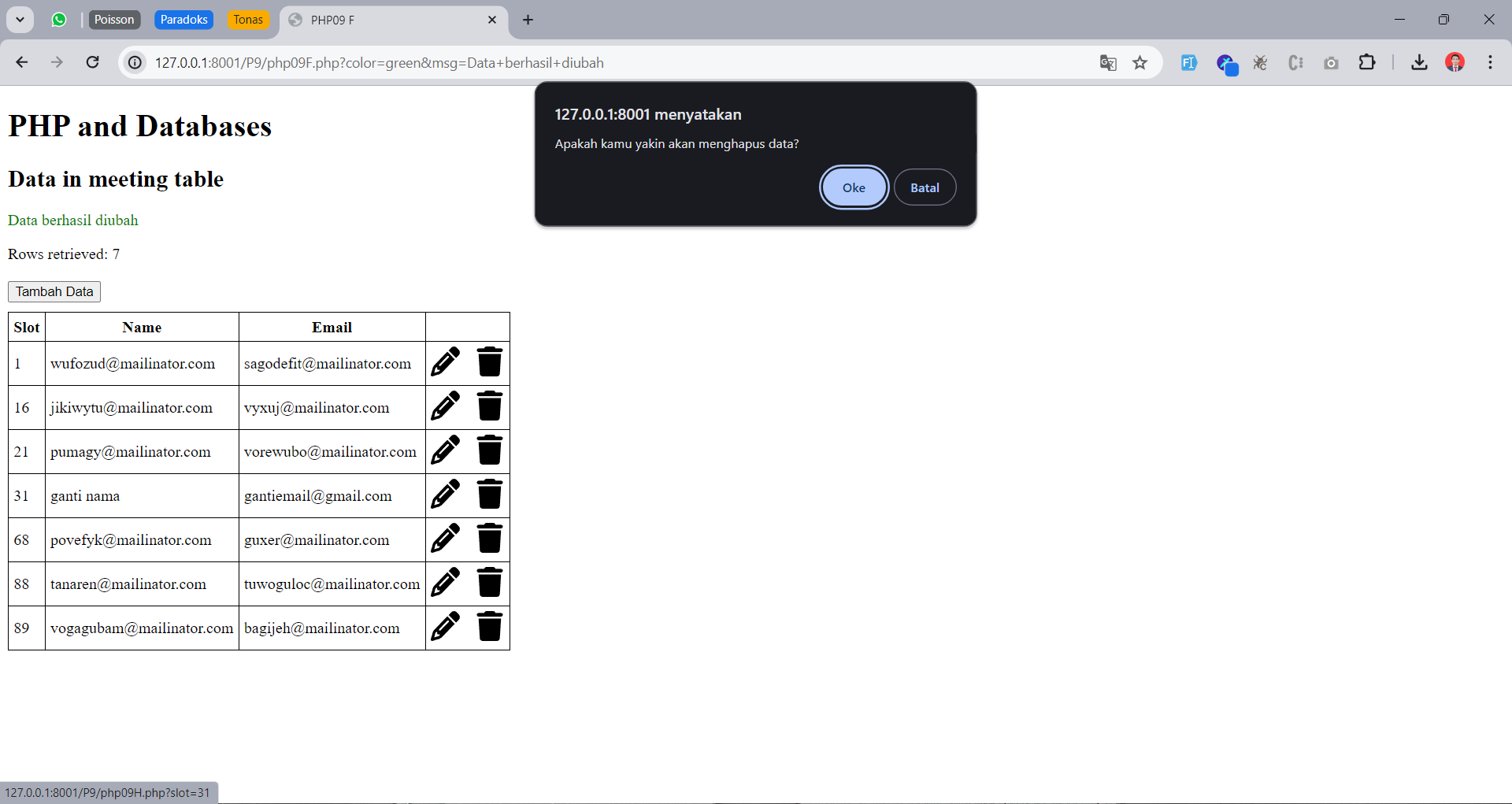
****

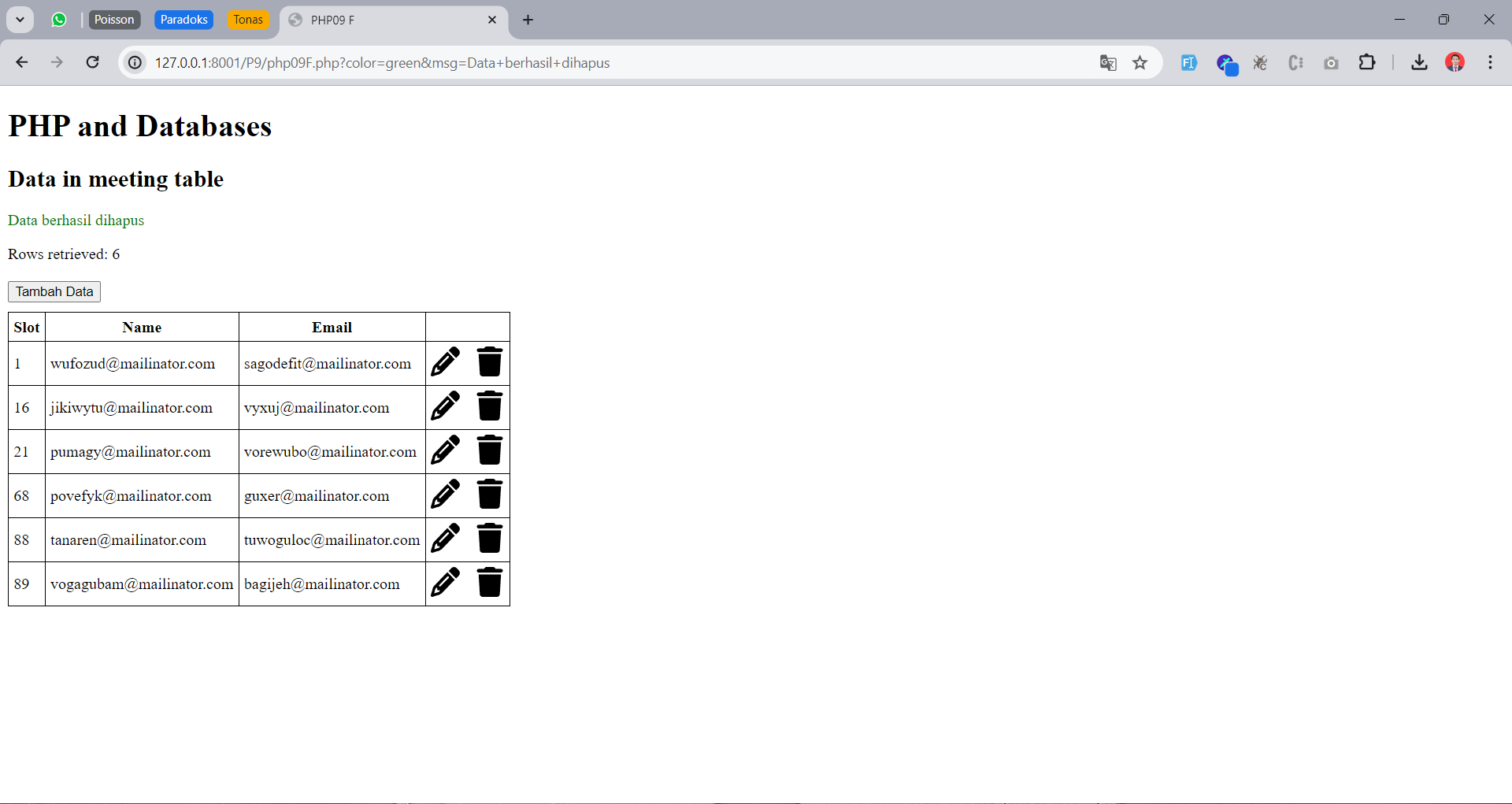
****

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