TITLE: 12) Program on PHP to connect MySQL database for CURD operations.

CODE:

Crud.php

<?php

include 'db.php'; // Include database connection file

// Create operation

function createUser($name, $email) {

    global $conn;

    $stmt = $conn->prepare("INSERT INTO users (name, email) VALUES (?, ?)");

    $stmt->bind\_param("ss", $name, $email);

    return $stmt->execute();

}

// Read operation

function readUsers() {

    global $conn;

    $sql = "SELECT \* FROM users";

    return $conn->query($sql);

}

// Update operation

function updateUser($id, $name, $email) {

    global $conn;

    $stmt = $conn->prepare("UPDATE users SET name=?, email=? WHERE id=?");

    $stmt->bind\_param("ssi", $name, $email, $id);

    return $stmt->execute();

}

// Delete operation

function deleteUser($id) {

    global $conn;

    $stmt = $conn->prepare("DELETE FROM users WHERE id=?");

    $stmt->bind\_param("i", $id);

    return $stmt->execute();

}

// Handle form submissions for Create and Update

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    if (isset($\_POST['create'])) {

        $name = htmlspecialchars(trim($\_POST['name']));

        $email = htmlspecialchars(trim($\_POST['email']));

        createUser($name, $email);

    } elseif (isset($\_POST['update'])) {

        $id = $\_POST['id'];

        $name = htmlspecialchars(trim($\_POST['name']));

        $email = htmlspecialchars(trim($\_POST['email']));

        updateUser($id, $name, $email);

    }

}

// Handle Delete

if (isset($\_GET['delete'])) {

    $id = $\_GET['delete'];

    deleteUser($id);

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>CRUD Operations in PHP</title>

    <style>

        body {

            font-family: Arial, sans-serif;

            margin: 20px;

            background-color: #f4f4f4;

        }

        table {

            width: 100%;

            border-collapse: collapse;

        }

        table, th, td {

            border: 1px solid #ccc;

        }

        th, td {

            padding: 8px;

            text-align: left;

        }

        th {

            background-color: #007bff;

            color: white;

        }

    </style>

</head>

<body>

<h1>CRUD Operations</h1>

<!-- Form to Create or Update User -->

<form action="" method="POST">

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

    <label for="name">Name:</label>

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

    <label for="email">Email:</label>

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

    <input type="submit" name="create" value="Add User">

    <input type="submit" name="update" value="Update User" style="display: none;">

</form>

<!-- Display Users -->

<table>

    <thead>

        <tr>

            <th>ID</th>

            <th>Name</th>

            <th>Email</th>

            <th>Actions</th>

        </tr>

    </thead>

    <tbody>

        <?php

        // Fetch and display users

        $result = readUsers();

        while ($row = $result->fetch\_assoc()) {

            echo "<tr>

                    <td>{$row['id']}</td>

                    <td>{$row['name']}</td>

                    <td>{$row['email']}</td>

                    <td>

                        <a href='#' onclick='editUser({$row['id']}, \"{$row['name']}\", \"{$row['email']}\")'>Edit</a> |

                        <a href='?delete={$row['id']}'>Delete</a>

                    </td>

                </tr>";

        }

        ?>

    </tbody>

</table>

<script>

function editUser(id, name, email) {

    document.getElementById('id').value = id;

    document.getElementById('name').value = name;

    document.getElementById('email').value = email;

    document.querySelector('input[name="create"]').style.display = 'none';

    document.querySelector('input[name="update"]').style.display = 'inline';

}

</script>

</body>

</html>

Db.php

<?php

$host = 'localhost'; // Database host

$db = 'test\_db'; // Database name

$user = 'root'; // Database username (default is usually 'root' for XAMPP/MAMP)

$pass = ''; // Database password (default is empty for XAMPP/MAMP)

// Create connection

$conn = new mysqli($host, $user, $pass, $db);

// Check connection

if ($conn->connect\_error) {

    die("Connection failed: " . $conn->connect\_error);

}

?>

OUTPUT:  
