<?php

$con = mysqli\_connect("localhost","root","");

if (!$con)

  echo "Connection is not established.";

else

  echo "Connection is established.";

mysqli\_close($con);

?>

*<!-- Creation of Database -->*

<?php

$conn = mysqli\_connect("localhost","root","");

*// Check connection*

if ($conn->connect\_error) {

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

}

*// Create Database*

$sql = "CREATE DATABASE IF NOT EXISTS test\_db";

if ($conn->query($sql) === TRUE) {

    echo "Database created successfully";

} else {

    echo "Error creating database: ";

}

$conn->close();

?>

<?php

$dbname = "test\_db";

*// Create connection*

$conn = mysqli\_connect("localhost","root","",$dbname);

*// Check connection*

if ($conn->connect\_error) {

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

}

*// Create Table*

$sql = "CREATE TABLE IF NOT EXISTS Users (

    id INT(6) UNSIGNED AUTO\_INCREMENT PRIMARY KEY,

    firstname VARCHAR(30) NOT NULL,

    lastname VARCHAR(30) NOT NULL,

    email VARCHAR(50),

    reg\_date TIMESTAMP

)";

if ($conn->query($sql) === TRUE) {

    echo "Table Users created successfully";

} else {

    echo "Error creating table: " . $conn->error;

}

$conn->close();

?>

<?php

$dbname = "test\_db";

*// Create connection*

$conn = mysqli\_connect("localhost", "root", "", $dbname);

*// Check connection*

if ($conn->connect\_error) {

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

}

*// Insert multiple values into the table*

$sql = "INSERT INTO Users (firstname, lastname, email) VALUES

('Mrudula', 'Suryawanshi', '2110059@ritindia.edu'),

('Neha', 'Mane', 'mrudulad2411@gmail.com'),

('Yash', 'Yadav', 'N2411M2003@gmail.com'),

('Teju', 'Manikeri', 'Tej21@gmail.com'),

('Gouri', 'Patil', 'emily@example.com')";

if ($conn->query($sql) === TRUE) {

    echo "New records created successfully";

} else {

    echo "Error: " . $sql . "<br>" . $conn->error;

}

$conn->close();

?>

<?php

$con = mysqli\_connect("localhost","root","","my\_db");

$result=mysqli\_query($con,"SELECT \* from Student");

echo "<table border='1'>

<tr>

<th>Roll\_Number</th>

<th>First\_Name</th>

<th>Marks</th>

</tr>";

while($row = mysqli\_fetch\_array($result))

  {

  echo "<tr>";

  echo "<td>" . $row['RollNo'] . "</td>";

  echo "<td>" . $row['FirstName'] . "</td>";

  echo "<td>" . $row['marks'] . "</td>";

  echo "</tr>";

  }

echo "</table>";

mysqli\_close($con);

?>

<?php

$con = mysqli\_connect("localhost","root","","my\_db");

$result=mysqli\_query($con,"SELECT \* from Student where RollNo=2");

echo "<table border='1'>

<tr>

<th>Roll\_Number</th>

<th>First\_Name</th>

<th>Marks</th>

</tr>";

while($row = mysqli\_fetch\_array($result))

  {

  echo "<tr>";

  echo "<td>" . $row['RollNo'] . "</td>";

  echo "<td>" . $row['FirstName'] . "</td>";

  echo "<td>" . $row['marks'] . "</td>";

  echo "</tr>";

  }

echo "</table>";

mysqli\_close($con);

?>

<?php

$dbname = "test\_db";

*// Create connection*

$conn = mysqli\_connect("localhost", "root", "", $dbname);

*// Check connection*

if ($conn->connect\_error) {

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

}

*// Update the values in DB*

$sql = "UPDATE Users SET lastname='Patil' WHERE firstname='Neha'";

if ($conn->query($sql) === TRUE) {

    echo "Record updated successfully";

} else {

    echo "Error updating record: " . $conn->error;

}

$conn->close();

?>

<?php

$con = mysqli\_connect("localhost", "root", "", "test\_db");

*// Check connection*

if (!$con) {

    die("Connection failed: " . mysqli\_connect\_error());

}

*// Delete query with a table name and WHERE clause*

mysqli\_query($con, "DELETE FROM Users WHERE firstname='Yash'");

*// Select query to fetch all users, ordered by id in descending order*

$result = mysqli\_query($con, "SELECT \* FROM Users ORDER BY id DESC");

if ($result && mysqli\_num\_rows($result) > 0) {

*// Output data in an HTML table*

    echo "<table border='1'>

    <tr>

    <th>ID</th>

    <th>First\_Name</th>

    <th>Last\_Name</th>

    <th>Email</th>

    </tr>";

    while ($row = mysqli\_fetch\_array($result)) {

        echo "<tr>";

        echo "<td>" . $row['id'] . "</td>";

        echo "<td>" . $row['firstname'] . "</td>";

        echo "<td>" . $row['lastname'] . "</td>";

        echo "<td>" . $row['email'] . "</td>";

        echo "</tr>";

    }

    echo "</table>";

} else {

    echo "No results found.";

}

mysqli\_close($con);

?>

<?php

$con = mysql\_connect("localhost","root","");

mysql\_select\_db("test\_db", $con);

mysql\_query("DROP table Users");

mysql\_close($con);

?>

<?php

$con = mysqli\_connect("localhost","root","","test\_db");

mysqli\_query($con,"DROP database test\_db");

mysqli\_close($con);

?>

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>DB Operations with GUI</title>

    <style>

        body {

            font-family: Arial, sans-serif;

            margin: 0;

            padding: 0;

            background-color: #f4f4f4;

        }

        h2 {

            color: #333;

            text-align: center;

        }

        .container {

            width: 80%;

            max-width: 800px;

            margin: auto;

            padding: 20px;

            background: #fff;

            border-radius: 8px;

            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

        }

        form {

            margin-bottom: 20px;

            padding: 20px;

            border: 1px solid #ddd;

            border-radius: 8px;

            background: #fafafa;

        }

        label {

            display: block;

            margin-bottom: 8px;

            font-weight: bold;

        }

        input[type="text"], input[type="email"] {

            width: 100%;

            padding: 8px;

            margin-bottom: 10px;

            border: 1px solid #ddd;

            border-radius: 4px;

        }

        input[type="submit"] {

            background-color: #28a745;

            color: #fff;

            border: none;

            padding: 10px 20px;

            border-radius: 4px;

            cursor: pointer;

            font-size: 16px;

        }

        input[type="submit"]:hover {

            background-color: #218838;

        }

        table {

            width: 100%;

            border-collapse: collapse;

            margin-top: 20px;

        }

        th, td {

            border: 1px solid #ddd;

            padding: 12px;

            text-align: left;

        }

        th {

            background-color: #f2f2f2;

        }

        tr:nth-child(even) {

            background-color: #f9f9f9;

        }

        tr:hover {

            background-color: #f1f1f1;

        }

        .message {

            font-size: 18px;

            color: #333;

            text-align: center;

        }

    </style>

</head>

<body>

<div class="container">

    <h2>Insert User Information</h2>

    <form action="10.php" method="post">

        <label for="firstname">First Name:</label>

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

        <label for="lastname">Last Name:</label>

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

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

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

        <input type="submit" name="insert" value="INSERT">

    </form>

    <h2>Show All Users</h2>

    <form action="10.php" method="post">

        <input type="submit" name="show" value="SHOW">

    </form>

*<!-- Placeholder for messages or results -->*

    <div class="message">

*<!-- Messages or results will be shown here -->*

    </div>

</div>

</body>

</html>

**10.php**

<?php

*// Database connection*

$con = mysqli\_connect("localhost", "root", "", "test\_db");

*// Check connection*

if (!$con) {

    die("Connection failed: " . mysqli\_connect\_error());

}

*// Insert Operation*

if (isset($\_POST['insert'])) {

    $firstname = mysqli\_real\_escape\_string($con, $\_POST['firstname']);

    $lastname = mysqli\_real\_escape\_string($con, $\_POST['lastname']);

    $email = mysqli\_real\_escape\_string($con, $\_POST['email']);

*// // Check for duplicate email*

*// $checkQuery = "SELECT \* FROM Users WHERE email='$email'";*

*// $checkResult = mysqli\_query($con, $checkQuery);*

*// if (mysqli\_num\_rows($checkResult) > 0) {*

*//     echo "Error: Email already exists in the database.<br><br>";*

*// } else {*

*//     // Insert new record if no duplicate*

*//     $sql = "INSERT INTO Users (firstname, lastname, email) VALUES ('$firstname', '$lastname', '$email')";*

*//     if (mysqli\_query($con, $sql)) {*

*//         echo "New record created successfully<br><br>";*

*//     } else {*

*//         echo "Error: " . $sql . "<br>" . mysqli\_error($con);*

*//     }*

*// }*

}

*// Select Operation*

if (isset($\_POST['show'])) {

    $sql = "SELECT \* FROM Users";

    $result = mysqli\_query($con, $sql);

    if ($result && mysqli\_num\_rows($result) > 0) {

        echo "<table border='1'>

        <tr>

        <th>ID</th>

        <th>First Name</th>

        <th>Last Name</th>

        <th>Email</th>

        </tr>";

        while ($row = mysqli\_fetch\_array($result)) {

            echo "<tr>";

            echo "<td>" . $row['id'] . "</td>";

            echo "<td>" . $row['firstname'] . "</td>";

            echo "<td>" . $row['lastname'] . "</td>";

            echo "<td>" . $row['email'] . "</td>";

            echo "</tr>";

        }

        echo "</table>";

    } else {

        echo "No results found.";

    }

}

mysqli\_close($con);

?>