

#### ----- db.php (Database Connection)

```
<?php
$host = "localhost";
$user = "root";
$password = "";
$database = "student_db";

$conn = mysqli_connect($host, $user, $password, $database);

if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}
?>
```

#### ----- index.php (Retrieve and Display Records)

```
<?php include 'db.php'; ?>
<!DOCTYPE html>
<html>
<head><title>Student Records</title></head>
<body>
<h2>Student List</h2>
<a href="add.php">Add New Student</a><br><br>
<table border="1" cellpadding="10">
<tr><th>ID</th><th>Name</th><th>Email</th><th>Course</th><th>Actions</th></tr>
<?php
$result = mysqli_query($conn, "SELECT * FROM students");
while($row = mysqli_fetch_assoc($result)) {
    echo "<tr>
        <td>{$row['id']}</td>
        <td>{$row['name']}</td>
        <td>{$row['email']}</td>
        <td>{$row['course']}</td>
        <td>
            <a href='update.php?id={$row['id']}'>Edit</a> |
            <a href='delete.php?id={$row['id']}'>Delete</a>
        </td>
    </tr>";
}
```

```
?>
```

```
</table>
```

```
</body>
```

```
</html>
```

#### ----- add.php (Insert Record)

```
<?php include 'db.php'; ?>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head><title>Add Student</title></head>
```

```
<body>
```

```
<h2>Add New Student</h2>
```

```
<form method="post">
```

```
    Name: <input type="text" name="name"><br>
```

```
    Email: <input type="email" name="email"><br>
```

```
    Course: <input type="text" name="course"><br>
```

```
    <input type="submit" name="submit" value="Add">
```

```
</form>
```

```
<?php
```

```
if (isset($_POST['submit'])) {
```

```
    $name = $_POST['name'];
```

```
    $email = $_POST['email'];
```

```
    $course = $_POST['course'];
```

```
    mysqli_query($conn, "INSERT INTO students (name, email, course) VALUES ('$name', '$email', '$course')");
```

```
    echo "Student added successfully. <a href='index.php'>View List</a>";
```

```
}
```

```
?>
```

```
</body>
```

```
</html>
```

#### ----- update.php (Edit Record)

```
<?php include 'db.php'; ?>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head><title>Update Student</title></head>
```

```
<body>
```

```
<h2>Update Student Info</h2>
```

```
<?php
```

```
$id = $_GET['id'];
```

```
$result = mysqli_query($conn, "SELECT * FROM students WHERE id=$id");
```

```
$row = mysqli_fetch_assoc($result);
```

```
?>
```

```
<form method="post">
```

```
    Name: <input type="text" name="name" value="<?php echo $row['name']; ?>"><br>
```

```
    Email: <input type="email" name="email" value="<?php echo $row['email']; ?>"><br>
```

```
    Course: <input type="text" name="course" value="<?php echo $row['course']; ?>"><br>
```

```
    <input type="submit" name="update" value="Update">
```

```
</form>
```

```
<?php
```

```
if (isset($_POST['update'])) {
```

```
    $name = $_POST['name'];
```

```
    $email = $_POST['email'];
```

```
    $course = $_POST['course'];
```

```
    mysqli_query($conn, "UPDATE students SET name='$name', email='$email', course='$course'
    WHERE id=$id");
```

```
    echo "Record updated. <a href='index.php'>Back to list</a>";
```

```
}
```

```
?>
```

```
</body>
```

```
</html>
```

----- **delete.php (Delete Record)**

```
<?php
```

```
include 'db.php';
```

```
$id = $_GET['id'];
```

```
mysqli_query($conn, "DELETE FROM students WHERE id=$id");
```

```
header("Location: index.php");
```

```
?>
```