

----- 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");

?>

```