

# Web App Development

LAB 12: CRUD

Fasiha Tariq-53289

BS-CS 4

Submitted to:

Ma'am Nayab Khalid

**Date:** May 7<sup>th</sup>,2025

#### **CONNECTION:**

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "CRUD";

// Create connection
$conn = mysqli_connect($servername, $username, $password, $dbname);

// Check connection
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}

?>
```

#### **Index Code:**

```
<?php
include 'header.php';
include 'config.php';
<div id="main-content">
   <h2>All Records</h2>
   Id
      Name
      Address
      Class
      Phone
      Action
      </thead>
      <?php
      $sql = "SELECT * FROM Information";
      $result = mysqli_query($conn, $sql) or die("Query Failed");
      if (mysqli_num_rows($result) > 0) {
         while ($row = mysqli_fetch_assoc($result)) {
            echo "
                  {$row['ID']}
                  {$row['Name']}
                  {$row['Address']}
                  {$row['Class']}
                  {$row['Phone']}
                  <a href='edit.php'>Edit</a>
                     <a href='delete-inline.php'>Delete</a>
                  ";
      mysqli_close($conn);
      </div>
</div>
</body>
</html>
```

#### ADD:

```
<?php include 'header.php'; ?>
<div id="main-content">
    <h2>Add New Record</h2>
   <form class="post-form" action="savedata.php" method="post">
   <div class="form-group">
            <label>Id</label>
           <input type="text" name="sid" />
       </div>
       <div class="form-group">
            <label>Name</label>
            <input type="text" name="sname" />
       </div>
        <div class="form-group">
            <label>Address</label>
            <input type="text" name="saddress" />
       </div>
        <div class="form-group">
            <label>Class</label>
            <select name="class">
                <option value="" selected disabled>Select Class
               <option value="BCA">BCA</option>
                <option value="BSC">BSC</option>
                <option value="B.TECH">B.TECH</option>
            </select>
       </div>
        <div class="form-group">
            <label>Phone</label>
            <input type="text" name="sphone" />
       </div>
        <input class="submit" type="submit" value="Save" />
    </form>
```

#### Savedata.php:

# HOME ADD UPDATE DELETE Add New Record Id 54678 Name Naimal Ijaz Address Media Town Class BCA Phone 03254698718 SAVE

## Add Record at last:

## **CRUD**

HOME ADD UPDATE DELETE

ID	NAME	ADDRESS	CLASS	PHONE	ACTION
53289	Fasiha Tariq	AECHS,Rawalpindi	BSC	03295200063	EDIT DELETE
51234	Mishal Tariq	Bharia Town	ВСОМ	03124567890	EDIT DELETE
58963	Khansa Noor	FECHS,Islamabad	BSC	03456798032	EDIT DELETE
53245	Amira Khalid	Satellite Town	BCA	03697412852	EDIT DELETE
54678	Naimal Ijaz	Media Town	BCA	03254698718	EDIT DELETE

ID	Name	Address	Class	Phone
53289	Fasiha Tariq	AECHS,Rawalpindi	BSC	03295200063
51234	Mishal Tariq	Bharia Town	BCOM	03124567890
58963	Khansa Noor	FECHS,Islamabad	BSC	03456798032
53245	Amira Khalid	Satellite Town	BCA	03697412852
54678	Naimal Ijaz	Media Town	BCA	03254698718

#### **Deleteinline.php**

```
<?php include 'header.php'; ?>
<?php include 'config.php'; ?>
<div id="main-content">
   <h2>Delete Record</h2>
   <form class="post-form" action="<?php echo $_SERVER['PHP_SELF']; ?>" method="post">
       <div class="form-group">
           <label>Enter ID to Delete</label>
           <input type="text" name="sid" required />
       <input class="submit" type="submit" name="deletebtn" value="Delete" />
   </form>
   <?php
   if (isset($_POST['deletebtn'])) {
       $student_id = $_POST['sid'];
       $sql = "DELETE FROM Information WHERE Id = {$student_id}";
       $result = mysqli_query($conn, $sql);
       if ($result) {
           echo "Record Deleted Successfully";
           echo "Delete Failed";
</body>
```

CRUD					
HOME ADD UPDATE D	ELETE				
Delete Record					
	Enter ID to Delete	58963			
		DELETE			
Record Deleted Successfully					

## After deleting inline 3<sup>rd</sup> row:

## **CRUD**

HOME ADD UPDATE DELETE

ID	NAME	ADDRESS	CLASS	PHONE	ACTION
53289	Fasiha Tariq	AECHS,Rawalpindi	BSC	03295200063	EDIT DELETE
51234	Mishal Tariq	Bharia Town	ВСОМ	03124567890	EDIT DELETE
53245	Amira Khalid	Satellite Town	BCA	03697412852	EDIT DELETE
54678	Naimal Ijaz	Media Town	BCA	03254698718	EDIT DELETE

ID	Name	Address	Class	Phone
53289	Fasiha Tariq	AECHS,Rawalpindi	BSC	03295200063
51234	Mishal Tariq	Bharia Town	BCOM	03124567890
53245	Amira Khalid	Satellite Town	BCA	03697412852
54678	Naimal Ijaz	Media Town	BCA	03254698718

#### **EDIT:**

```
<?php include 'header.php'; ?>
<?php include 'config.php'; ?>
<div id="main-content">
    <h2>Edit Record</h2>
    <form class="post-form" action="<?php echo $_SERVER['PHP_SELF']; ?>"
method="post">
        <div class="form-group">
            <label>Enter ID to Edit</label>
            <input type="text" name="sid" required />
        <input class="submit" type="submit" name="showbtn" value="Show" />
    </form>
    <?php
    if (isset($_POST['showbtn'])) {
        $student_id = $_POST['sid'];
        $sql = "SELECT * FROM Information WHERE ID = {$student id}";
        $result = mysqli_query($conn, $sql) or die("Query Failed");
        if (mysqli_num_rows($result) > 0) {
            $row = mysqli_fetch_assoc($result);
    <form class="post-form" action="updatedata.php" method="post">
    <div class="form-group">
            <label>Id</label>
            <input type="text" name="sid" value="<?php echo $row['ID']; ?>" />
        </div>
        <div class="form-group">
            <label>Name</label>
            <input type="text" name="sname" value="<?php echo $row['Name']; ?>"
required />
        </div>
        <div class="form-group">
            <label>Address</label>
            <input type="text" name="saddress" value="<?php echo $row['Address'];</pre>
?>" required />
        </div>
        <div class="form-group">
            <label>Class</label>
            <select name="sclass">
```

```
<option value="BCA" <?php if ($row['Class'] == 'BCA') echo "selected";</pre>
?>>BCA</option>
    <option value="BSC" <?php if ($row['Class'] == 'BSC') echo "selected";</pre>
?>>BSC</option>
    <option value="BCOM" <?php if ($row['Class'] == 'BCOM') echo "selected";</pre>
?>>BCOM</option>
</select>
       </div>
       <div class="form-group">
            <label>Phone</label>
            <input type="text" name="sphone" value="<?php echo $row['Phone']; ?>"
required />
       </div>
        <input class="submit" type="submit" value="Update" />
    </form>
    <?php
       } else {
            echo "Record Not Found";
</div>
</div>
</body>
</html>
```

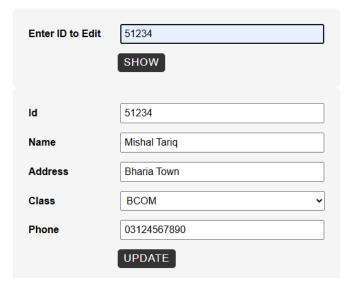
#### **Updatedata.php:**

```
<?php
     include 'config.php';
    $student_id = $_POST['sid'];
     $student_name = mysqli_real_escape_string($conn, $_POST['sname']);
     $student_address = mysqli_real_escape_string($conn, $_POST['saddress']);
     $student_class = mysqli_real_escape_string($conn, $_POST['sclass']);
     $student_phone = mysqli_real_escape_string($conn, $_POST['sphone']);
     $sql = "UPDATE Information SET
             Name = '{$student_name}',
             Address = '{$student address}',
             Class = '{$student_class}',
             Phone = '{$student_phone}'
             WHERE ID = {$student_id}";
16
     $result = mysqli_query($conn, $sql);
     if ($result) {
        header("Location: index.php");
     } else {
         echo "Update failed: " . mysqli_error($conn);
     mysqli_close($conn);
```

## CRUD

HOME ADD UPDATE DELETE

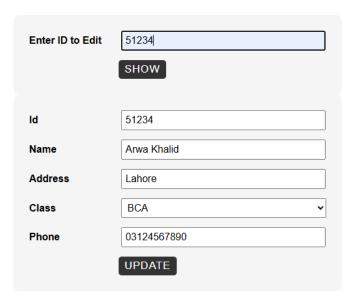
#### **Edit Record**



## **CRUD**

HOME ADD UPDATE DELETE

#### **Edit Record**



## Edit record at the second row:

## **CRUD**

HOME ADD UPDATE DELETE

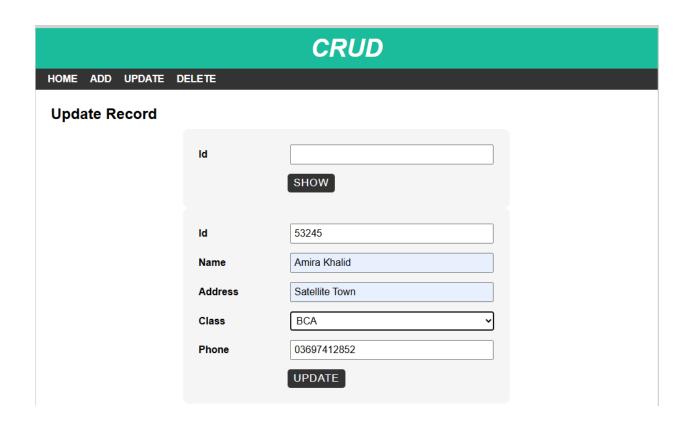
ID	NAME	ADDRESS	CLASS	PHONE	ACTION
53289	Fasiha Tariq	AECHS,Rawalpindi	BSC	03295200063	EDIT DELETE
51234	Arwa Khalid	Lahore	BCA	03124567890	EDIT DELETE
53245	Amira Khalid	Satellite Town	BCA	03697412852	EDIT DELETE
54678	Naimal Ijaz	Media Town	BCA	03254698718	EDIT DELETE

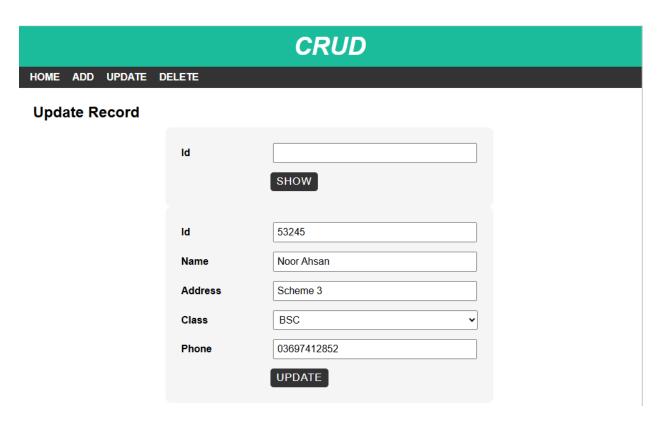
ID	Name	Address	Class	Phone
53289	Fasiha Tariq	AECHS,Rawalpindi	BSC	03295200063
51234	Arwa Khalid	Lahore	BCA	03124567890
53245	Amira Khalid	Satellite Town	BCA	03697412852
54678	Naimal Ijaz	Media Town	BCA	03254698718

#### **UPDATE:**

```
<?php include 'header.php'; ?>
<?php include 'config.php'; ?>
<div id="main-content">
    <h2>Update Record</h2>
    <!-- First form: get student id -->
    <form class="post-form" action="<?php echo $_SERVER['PHP_SELF']; ?>"
method="post">
       <div class="form-group">
            <label>Id</label>
            <input type="text" name="sid" />
        </div>
        <input class="submit" type="submit" name="showbtn" value="Show" />
    </form>
    <?php
    if (isset($_POST['showbtn'])) {
        $student_id = $_POST['sid'];
        $$\$sql = "SELECT * FROM Information WHERE ID = {\$student_id}";
        $result = mysqli_query($conn, $sql) or die("Query Failed");
        if (mysqli_num_rows($result) > 0) {
            while ($row = mysqli_fetch_assoc($result)) {
    <!-- Second form: show student data -->
    <form class="post-form" action="updatedata.php" method="post">
    <div class="form-group">
            <label>Id</label>
            <input type="text" name="sid" value="<?php echo $row['ID']; ?>" />
        </div>
        <div class="form-group">
            <label>Name</label>
            <input type="text" name="sname" value="<?php echo $row['Name']; ?>"
        </div>
        <div class="form-group">
            <label>Address
            <input type="text" name="saddress" value="<?php echo $row['Address'];</pre>
```

```
</div>
       <div class="form-group">
           <label>Class</label>
           <select name="sclass">
               <option value="" disabled>Select Class</option>
               <option value="1" <?php if ($row['Class'] == 'BCA') echo</pre>
"selected"; ?>>BCA</option>
               <option value="2" <?php if ($row['Class'] == 'BSC') echo</pre>
'selected"; ?>>BSC</option>
               <option value="3" <?php if ($row['Class'] == 'B.TECH') echo</pre>
'selected"; ?>>B.TECH</option>
           </select>
       </div>
       <div class="form-group">
           <label>Phone</label>
           <input type="text" name="sphone" value="<?php echo $row['Phone']; ?>"
       </div>
       <input class="submit" type="submit" value="Update" />
   </form>
   <?php
       } else {
           echo "Record not found.";
</div>
</div>
</body>
</html>
```





## Update record at the third row:

# **CRUD**

HOME ADD UPDATE DELETE

ID	NAME	ADDRESS	CLASS	PHONE	ACTION
53289	Fasiha Tariq	AECHS,Rawalpindi	BSC	03295200063	EDIT DELETE
51234	Arwa Khalid	Lahore	BCA	03124567890	EDIT DELETE
53245	Noor Ahsan	Scheme 3	BSC	03697412852	EDIT DELETE
54678	Naimal Ijaz	Media Town	BCA	03254698718	EDIT DELETE

ID	Name	Address	Class	Phone
53289	Fasiha Tariq	AECHS,Rawalpindi	BSC	03295200063
51234	Arwa Khalid	Lahore	BCA	03124567890
53245	Noor Ahsan	Scheme 3	BSC	03697412852
54678	Naimal Ijaz	Media Town	BCA	03254698718

#### **DELETE:**

```
<?php include 'header.php'; ?>
<?php include 'config.php'; ?>
<div id="main-content">
   <h2>Delete Record</h2>
   <form class="post-form" action="<?php echo $_SERVER['PHP_SELF']; ?>"
method="post">
       <div class="form-group">
           <label>Id</label>
           <input type="text" name="sid" required />
       </div>
       <input class="submit" type="submit" name="deletebtn" value="Delete" />
   </form>
   <?php
   if (isset($_POST['deletebtn'])) {
       $student_id = $_POST['sid'];
       $sql = "DELETE FROM Information WHERE Id = {$student_id}";
       $result = mysqli_query($conn, $sql) or die("Query Failed");
       if ($result) {
           echo "Record Deleted Successfully";
       } else {
           echo "Delete Failed";
</div>
</div>
</body>
</html>
```

## **CRUD**

HOME ADD UPDATE DELETE

#### **All Records**

ID	NAME	ADDRESS	CLASS	PHONE	ACTION
53289	Fasiha Tariq	AECHS,Rawalpindi	BSC	03295200063	EDIT DELETE
51234	Arwa Khalid	Lahore	BCA	03124567890	EDIT DELETE
53245	Noor Ahsan	Scheme 3	BSC	03697412852	EDIT DELETE
54678	Naimal Ijaz	Media Town	BCA	03254698718	EDIT DELETE

# **CRUD**

HOME ADD UPDATE DELETE

#### **Delete Record**

Id 51234

DELETE

Record Deleted Successfully

## After deleting second record:

Naimal Ijaz

Media Town

54678

#### CRUD HOME ADD UPDATE DELETE **All Records** NAME ADDRESS CLASS PHONE ACTION ID AECHS,Rawalpindi BSC 53289 Fasiha Tariq 03295200063 EDIT DELETE 53245 BSC 03697412852 EDIT DELETE Noor Ahsan Scheme 3

BCA

03254698718

EDIT DELETE

ID	Name	Address	Class	Phone
53289	Fasiha Tariq	AECHS,Rawalpindi	BSC	03295200063
53245	Noor Ahsan	Scheme 3	BSC	03697412852
54678	Naimal Ijaz	Media Town	BCA	03254698718