



Web App Development

LAB 12: CRUD

Fasiha Tariq-53289

BS-CS 4

Submitted to:

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CONNECTION:

```
1 // config.php
2
3 <?php
4 $servername = "localhost";
5 $username = "root";
6 $password = "";
7 $dbname = "CRUD";
8
9 // Create connection
10 $conn = mysqli_connect($servername, $username, $password, $dbname);
11
12 // Check connection
13 if (!$conn) {
14     die("Connection failed: " . mysqli_connect_error());
15 }
16 ?>
```

Index Code:

```
<?php
include 'header.php';
include 'config.php';
?>
<div id="main-content">
    <h2>All Records</h2>
    <table cellpadding="7px">
        <thead>
            <th>Id</th>
            <th>Name</th>
            <th>Address</th>
            <th>Class</th>
            <th>Phone</th>
            <th>Action</th>
        </thead>
        <tbody>
            <?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($result)) {
                    echo "<tr>
                        <td>{$row['ID']}</td>
                        <td>{$row['Name']}</td>
                        <td>{$row['Address']}</td>
                        <td>{$row['Class']}</td>
                        <td>{$row['Phone']}</td>
                        <td>
                            <a href='edit.php'>Edit</a>
                            <a href='delete-inline.php'>Delete</a>
                        </td>
                    </tr>";
                }
            }
            mysqli_close($conn);
            ?>
        </tbody>
    </table>
</div>
</div>
</body>
</html>
```

ADD:

```
name="sid" />
```

```
<?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>
        <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:

```
<?php
include 'config.php';
$sid = $_POST['sid'];
$name = $_POST['sname'];
$address = $_POST['saddress'];
$class = $_POST['sclass'];
$phone = $_POST['sphone'];

$sql = "INSERT INTO Information (Id,Name, Address, Class, Phone)
VALUES ('$sid','$name', '$address', '$sclass', '$sphone')";

$result = mysqli_query($conn, $sql) or die("Query Failed");

header("Location: index.php");

mysqli_close($conn);
?>
```

CRUD

[HOME](#) [ADD](#) [UPDATE](#) [DELETE](#)

Add New Record

Id	<input type="text" value="54678"/>
Name	<input type="text" value="Naimal Ijaz"/>
Address	<input type="text" value="Media Town"/>
Class	<input type="text" value="BCA"/>
Phone	<input type="text" value="03254698718"/>

SAVE

Add Record at last:

CRUD

HOMEADDUPDATEDELETE

All Records

ID	NAME	ADDRESS	CLASS	PHONE	ACTION	
53289	Fasiha Tariq	AECHS,Rawalpindi	BSC	03295200063	EDIT	DELETE
51234	Mishal Tariq	Bharia Town	BCOM	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 />
        </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);

        if ($result) {
            echo "<p style='color:green;'>Record Deleted Successfully</p>";
        } else {
            echo "<p style='color:red;'>Delete Failed</p>";
        }
    }
    ?>
</div>
</div>
</body>
</html>
```

CRUD

HOME ADD UPDATE DELETE

Delete Record

Enter ID to Delete

DELETE

Record Deleted Successfully

After deleting inline 3rd row:

CRUD				
HOME	ADD	UPDATE	DELETE	

All Records

ID	NAME	ADDRESS	CLASS	PHONE	ACTION	
53289	Fasiha Tariq	AECHS,Rawalpindi	BSC	03295200063	EDIT	DELETE
51234	Mishal Tariq	Bharia Town	BCOM	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 />
        </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) {
            $row = mysqli_fetch_assoc($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'];
?>" required />
    </div>
    <div class="form-group">
        <label>Class</label>
        <select name="sclass">
```

```
<option value="BCA" <?php if ($row['Class'] == 'BCA') echo "selected";
?>>BCA</option>
<option value="BSC" <?php if ($row['Class'] == 'BSC') echo "selected";
?>>BSC</option>
<option value="BCOM" <?php if ($row['Class'] == 'BCOM') echo "selected";
?>>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 "<p style='color:red;'>Record Not Found</p>";
    }
}
?>
</div>
</div>
</body>
</html>
```

Updatedata.php:

crd_ram / > updatedata.php

```
1  <?php
2  include 'config.php';
3
4  $student_id = $_POST['sid'];
5  $student_name = mysqli_real_escape_string($conn, $_POST['sname']);
6  $student_address = mysqli_real_escape_string($conn, $_POST['saddress']);
7  $student_class = mysqli_real_escape_string($conn, $_POST['sclass']);
8  $student_phone = mysqli_real_escape_string($conn, $_POST['sphone']);
9
10 $sql = "UPDATE Information SET
11     Name = '{$student_name}',
12     Address = '{$student_address}',
13     Class = '{$student_class}',
14     Phone = '{$student_phone}'
15     WHERE ID = {$student_id}";
16
17 $result = mysqli_query($conn, $sql);
18
19 if ($result) {
20     header("Location: index.php");
21 } else {
22     echo "Update failed: " . mysqli_error($conn);
23 }
24
25 mysqli_close($conn);
26 ?>
27
```

CRUD

HOME ADD UPDATE DELETE

Edit Record

Enter ID to Edit

SHOW

Id

Name

Address

Class

Phone

UPDATE

CRUD

HOME ADD UPDATE DELETE

Edit Record

Enter ID to Edit

SHOW

Id

Name

Address

Class

Phone

UPDATE

Edit record at the second row:

CRUD

HOMEADDUPDATEDELETE

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	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</label>
                    <input type="text" name="saddress" value="<?php echo $row['Address'];
?>" />
```

```

        </div>
        <div class="form-group">
            <label>Class</label>
            <select name="sclass">
                <option value="" disabled>Select Class</option>
                <option value="1" <?php if ($row['Class'] == 'BCA') echo
"selected"; ?>>BCA</option>
                <option value="2" <?php if ($row['Class'] == 'BSC') echo
"selected"; ?>>BSC</option>
                <option value="3" <?php if ($row['Class'] == 'B.TECH') echo
"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 "<p style='color:red'>Record not found.</p>";
    }
}
?>
</div>
</div>
</body>
</html>

```

CRUD

HOME ADD UPDATE DELETE

Update Record

Id

SHOW

Id

53245

Name

Amira Khalid

Address

Satellite Town

Class

BCA

Phone

03697412852

UPDATE

CRUD

HOME ADD UPDATE DELETE

Update Record

Id

SHOW

Id

53245

Name

Noor Ahsan

Address

Scheme 3

Class

BSC

Phone

03697412852

UPDATE

Update record at the third row:

CRUD

HOMEADDUPDATEDELETE

All Records

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

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 "<p style='color:green;'>Record Deleted Successfully</p>";
        } else {
            echo "<p style='color:red;'>Delete Failed</p>";
        }
    }
    ?>
</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

[DELETE](#)

Record Deleted Successfully

After deleting second record:

CRUD

HOMEADDUPDATEDELETE

All Records

ID	NAME	ADDRESS	CLASS	PHONE	ACTION
53289	Fasiha Tariq	AECHS,Rawalpindi	BSC	03295200063	<div>EDITDELETE</div>
53245	Noor Ahsan	Scheme 3	BSC	03697412852	<div>EDITDELETE</div>
54678	Naimal Ijaz	Media Town	BCA	03254698718	<div>EDITDELETE</div>

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