

# Lecture 26

## Deleting and Updating Records in MySQL using PHP

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# Summary of the previous lecture

- **Retrieving data from MySQL using PHP**
- **CONNECTIONS: login functionality**

# Outline

- **Deleting records in MySQL using PHP**
- **Updating records in MySQL using PHP**

# 1. Deleting record in MySQL using PHP

- **Connection** with database
- **Delete** the record

## 1.1 Connection with database

```
<?php
```

```
mysql_connect('localhost','root','') or die("error  
in connection");
```

```
mysql_select_db('testdatabase') or die("error  
in selection");
```

```
?>
```

## 1.2 Delete the record

- **Delete SQL instruction:**

**DELETE FROM** table-name

**WHERE** condition

**DELETE FROM** users

**WHERE** user\_Id =5

**DELETE FROM** users

**WHERE** user\_Id >5

## 1.2 Delete the record...

```
<?php  
include('connection.php');  
$sql="DELETE FROM users  
WHERE user_Id=5";  
mysql_query($sql);  
?>
```

## 1.3 Example

- **Display** data from database in a **table**
- Add **actions** column
- In each record, add a **delete button**
- When **delete** button is clicked, delete that **record**



# 1.3 Example...

localhost/lecture%2031/view.php

User Name	User Email	User Password	User Picture	Action
umar	umar@yahoo.com	123		<a href="#">Delete</a>

**Delete** (with red arrow pointing to the [Delete](#) link)

## 1.3 Example...

**<?php**

**Connection with database**

**Select data**

**<table border='1'>**

**<tr>**

**<th> User Name</th>**

**<th> User Email</th>**

**<th> User Password</th>**

**<th> User Picture</th>**

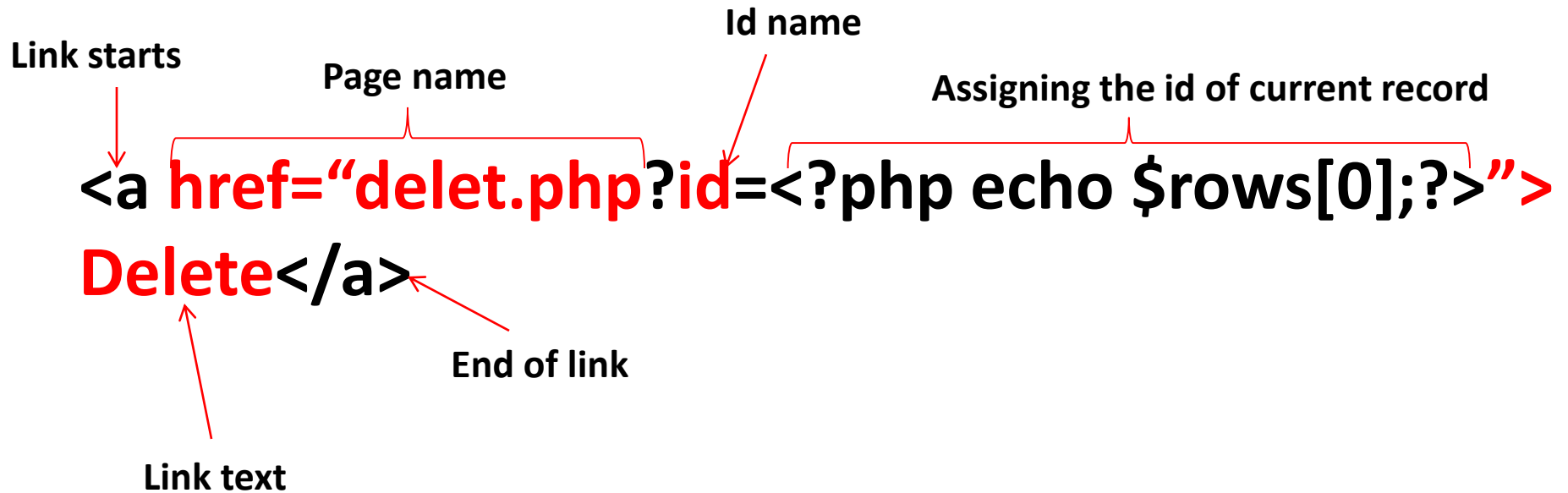
**<th> Actions </th>**

**</tr>**

## 1.3 Example...

```
<?php
while($rows = mysql_fetch_array($result))
{
?>
<tr>
<td> <?php echo $row[1]; ?> </td>
<td> <?php echo $row[2]; ?> </td>
<td> <?php echo $row[3]; ?> </td>
<td> <img src= "<?php echo $row[4]; ?>"> </td>
<td><a href="delet.php?id=<?php echo $rows[0];?>">Delete</a>
</tr>
<?php } ?>
</table>
```

# 1.3 Example...



## 1.3 Example...

```
1 <html>
2 <head>
3 <title> Retrieving data</title>
4 </head>
5 <body>
```

Starts  
HTML  
page

```
6 <?php
7 include('connection.php');
```

Connection to database

```
8 $sql = "select * from users";
9 $result = mysql_query($sql);
10 ?>
```

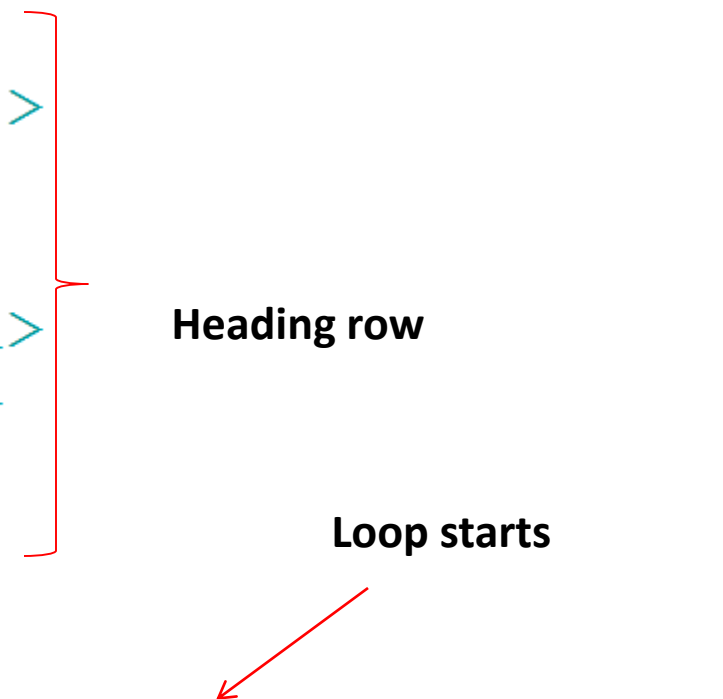
Selecting data

## 1.3 Example...

```
11 <table border="1">
12 <tr bgcolor="#CCCC00">
13 <th>User Name</th>
14 <th>User Email</th>
15 <th>User Password</th>
16 <th>User Picture</th>
17 <th>Action</th>
18 </tr>
19 <?php
20 while ($rows=mysql_fetch_array($result))
21 {
22 ?>
```

Heading row

Loop starts



## 1.3 Example...

```
23 <tr bgcolor="#CCCCCC">
24 <td><?php echo $rows[1]; ?> </td>
25 <td><?php echo $rows[2]; ?> </td>
26 <td><?php echo $rows[3]; ?> </td>
27 <td> </td>
```

Writing user's  
record

```
28 <td>
29 <a href="delete.php?id=<?php echo $rows[0]; ?>">
    Delete</a>
30 </td>
```

Link to the delete.php

```
31 </tr>
32 <?php
33 }
34 ?>
35 </table>
```

Ends loop

## 1.3 Example...

```
1 <?php
```

```
2 $id = $_GET['id'];
```

Getting record id



```
3 include('connection.php');
```

DB connection



```
4 $sql="delete from users
```

```
5 where user Id=$id";
```

Delete instruction



```
6 mysql_query($sql);
```

```
7 ?>
```

Executing instruction





## 1.3 Example...

- **Confirmation before delete:**

```
28 <td>  
29 <a href="delete.php?id=<?php echo $rows[0];?>"  
onClicK="return confirm('Delete This account?')">  
Delete</a></td>
```

Link to page

On-click event

Confirm box

## 2. Updating records in MySQL using PHP

- **Connection** with database
- **Update** the record

## 2. Updating records in MySQL using PHP...

- **Update SQL instruction:**

**UPDATE** table-name

**SET** column-names = values

**WHERE** condition

**UPDATE** users

**SET** user\_Name = 'Ali',

user\_Email = 'ali@yahoo.com',

user\_Password='123'

**WHERE** user\_Id=1

## 2. Updating records in MySQL using PHP...

```
<?php
```

```
include('connection.php');
```

```
$sql = "UPDATE users
```

```
    SET    user_Name = 'Ali',
```

```
          user_Email = 'ali@yahoo.com',
```

```
          user_Password='123
```

```
    Where user_Id=1";
```

```
mysql_query($sql);
```

```
?>
```

# 2.1 Example

localhost/lecture%2031/viewwithedit.php

User Name	User Email	User Password	User Picture	Action
Umar	umar@gmail.com	1234		<a href="#">Delete</a>   <a href="#">Update</a>
Saad	saad@gmail.com	123		<a href="#">Delete</a>   <a href="#">Update</a>

Selects update

User Name	<input type="text" value="Umar"/>
User Email	<input type="text" value="umar@gmail.com"/>
User Password	<input type="text" value="1234"/>
<input type="button" value="Update"/>	

Form with previous values

# 2.1 Example...

User Name	Asad Mahmood
User Email	asad@gmail.com
User Password	1234
<input type="button" value="Update"/>	

Values are updated


Updated record

User Name	User Email	User Password	User Picture	Action
Asad Mahmood	asad@gmail.com	1234		<a href="#">Delete</a>   <a href="#">Update</a>
Saad	saad@gmail.com	123		<a href="#">Delete</a>   <a href="#">Update</a>

## 2.1 Example...

### View page:

```
28 <td>
29 <a href="delete.php?id=<?php echo $rows[0];?>"
   onClick="return confirm('Delete This account?') ">
   Delete</a> |
30 <a href="update.php?id=<?php echo $rows[0];?>" >
   Update</a>
31 </td>
```



**Link to update.php, record id is passed with link**

## 2.1 Example...

- Get **id** of the record
- **Connect** to database
- **Retrieve** record from database against the **id**
- **Start** form
- Set **retrieved** values as **value** of the input fields



# 2.1 Example...

```
1 <html>
2 <head>
3 <title>Update data</title>
4 </head>
5 <body>
```

HTML page start

```
6 <?php
7 $id=$_GET['id'];
```

Gets record's id

```
8 include('connection.php');
```

DB connection

```
9 $sql="select *
10   from users
11   where user_Id=$id";
12 $result = mysql_query($sql);
13 $row = mysql_fetch_array($result);
14 ?>
```

Data selection

Query execution

Record is retrieved

# 2.1 Example...

```
15 <form method="post" action="up_action.php"> ← Form starts
16 <table border="1" align="center" width="300"> ← Table starts
```

```
<input type="hidden" name="id" value="<?php
echo $id; ?>">
```

Id is sent as  
hidden\_value

label

```
17 <tr>
18 <td>User Name</td>
19 <td><input type="text" name="name"
20 value="<?php echo $row[1]; ?>" >
21 </td>
22 </tr>
23 <tr>
```

Value is set to user's  
current name

# 2.1 Example...

```
23 <tr>
24 <td>User Email</td>
25 <td><input type="text" name="email"
26     value="<?php echo $row[2];?>" >
27     </td>
28 </tr>
```

Email

```
29 <tr>
30 <td>User Password</td>
31 <td><input type="text" name="password"
32     value="<?php echo $row[3];?>" >
33     </td>
34 </tr>
```

password

## 2.1 Example...

```
35     <tr>
36     <td colspan="2"><input type="submit" value=
"Update"></td>
37
38     </tr>
39     </table>
40     </form>
41 </body>
42 </html>
```

**Submit button**

## 2.1 Example...

- **Up\_action.php** page:
- **Retrieve** users input
- **Connect** with database
- **Execute** **update** instruction
- **Redirect** to view page

# 2.1 Example...

```
1 <?php
2 $id = $_POST['id'];
3 $name = $_POST['name'];
4 $email = $_POST['email'];
5 $password = $_POST['password'];
6 include('connection.php'); ← Connection to database
7 $sql="update users
8     set user_Name='$name',
9     user_Email='$email',
10    user_Password='$password'
11    Where user_Id='$id'";
12 mysql_query($sql);
13 header("location:viewwithedit.php");
14 ?>
```

User's input

Update instruction

redirection

# Summary

- **Deleting record from tables in MySQL using PHP**
- **Updating record in MySQL using PHP**

# References

- **Chapter 30, “Beginning PHP and MySQL”** by W. Jason Gilmore, Apress publisher, 4th edition; 2010, ISBN-13 (electronic): 978-1-4302-3115-8.