

# Lecture 27

## Retrieving data from MySQL using PHP

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# Summary of the previous lecture

- **FILES super global variable**
- **File uploading in PHP**
- **Storing reference of uploaded file in database**
- **CONNECTIONS: User registration with file upload**

# Outline

- **Retrieving data from MySQL using PHP**
- **Searching & Display Records**
- **Login System**
- **CONNECTIONS: Login Functionality**

# 1. Retrieving data from MySQL using PHP

- **Connection** with database
- Execute **Select** SQL command
- Make **display** structure
- **Write** data

# 1.1 Connection with database

```
<?php
    $con=mysqli_connect("localhost","root","","d
bName");

    if(mysqli_connect_errno()){
        echo "Following Error Occurred".
        mysqli_connect_error();
    }

?>
```

## 1.2 Selecting data

- **SELECT command in SQL:**

**SELECT** column-name

**FROM** table-name

**SELECT** **user\_Name**

**FROM** **users**

**SELECT** \*

**FROM** **users**

## 1.2 Selecting data...

- **Condition selection:**

**SELECT** column-name

**FROM** table-name

**WHERE** condition

**SELECT \***

**FROM users**

**WHERE user\_id>4**

## 1.2 Selecting data...

```
<?php
```

```
Global $con;
```

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

```
$sql = 'SELECT * FROM user';
```

```
$result = mysqli_query($con,$sql);
```

```
?>
```



## 1.2 Selecting data...

- **Counting rows:**
  - `mysqli_num_rows(variable);`

```
<?php
```

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

```
global $con;
```

```
$sql = 'SELECT * FROM users';
```

```
$result = mysqli_query($con,$sql);
```

```
$users = mysqli_num_rows($result);
```

```
echo "There are total ". $users ."users found";
```

```
?>
```

## 1.3 Display structure

```
<table border='1'>  
<tr>  
<th> User Name</th>  
<th> User Email</th>  
<th> User Password</th>  
<th> User Picture</th>  
</tr>  
<tr>  
<td> &nbsp;</td>  
<td> &nbsp;</td>  
<td> &nbsp;</td>  
<td> &nbsp;</td>  
</tr>  
</table>
```

## 1.4 Writing data

- **mysql\_fetch\_array(result-resource);**
  - **mysql\_fetch\_array(\$result);**

## 1.4 Writing data...

**\$result=**

1	Ali	ali@yahoo.com	123	upload/123ali.jpg
2	Umar	umar@yahoo.com	123	upload/123umar.jpg

**\$row = mysql\_fetch\_array(\$result);**

	0	1	2	3	4
<b>\$row=</b>	1	Ali	ali@yahoo.com	123	upload/123ali.jpg
	user_Id	user_Name	user_Email	user_Password	user_Picture

**echo \$row [1]; echo \$row['user\_Name'];**

# 1.4 Writing data...

```
<table border='1'>
```

```
<tr>
```

```
<th> User Name</th>
```

```
<th> User Email</th>
```

```
<th> User Password</th>
```

```
<th> User Picture</th>
```

```
</tr>
```

```
<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>
```

```
</tr>
```

```
</table>
```

User Name	User Email	User Password	User Picture
Ali	ali@yahoo.com	123	

# 1.4 Writing data...

```
<table border='1'>
```

```
Heading Row
```

```
<?php
```

```
while($rows = mysql_fe
```

```
{
```

```
?>
```

```
<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[3]; ?>"> </td>
```

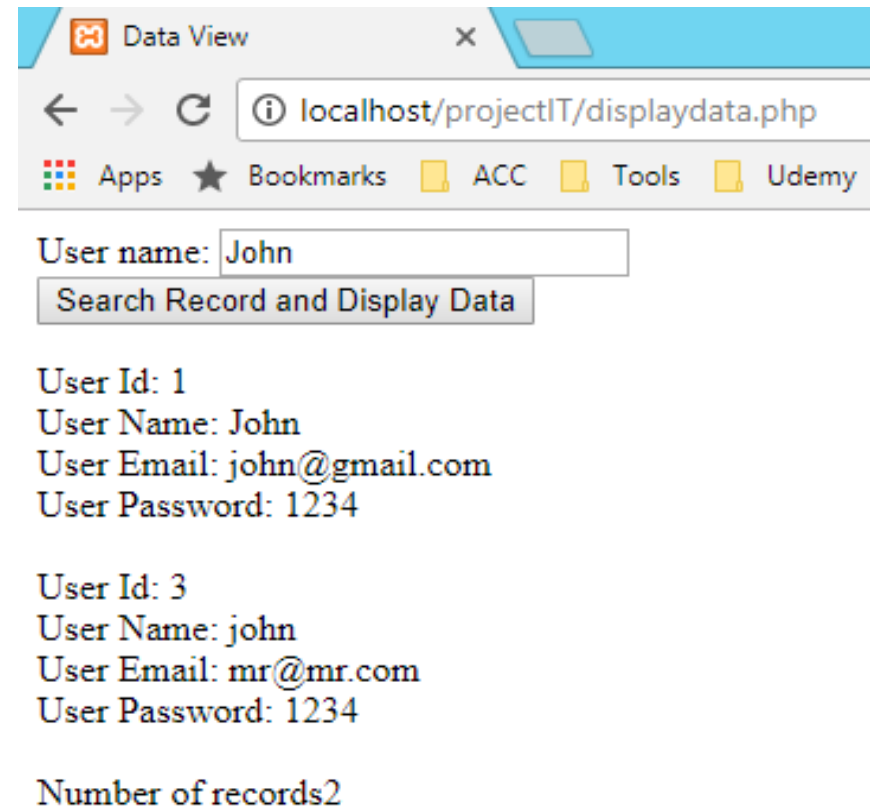
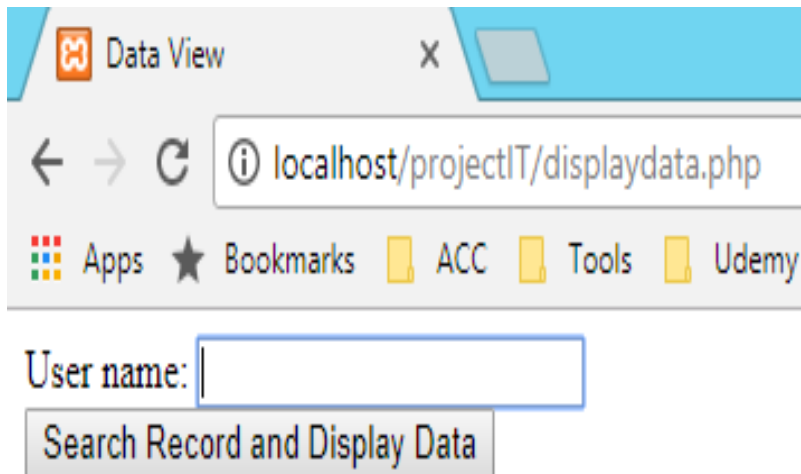
```
</tr>
```

```
<?php } ?>
```

```
</table>
```

User Name	User Email	User Password	User Picture
Ali	ali@yahoo.com	123	
Umar	umar@yahoo.c om	123	

# 1.5 Search & Display Record



# 1.5 Search & Display Record

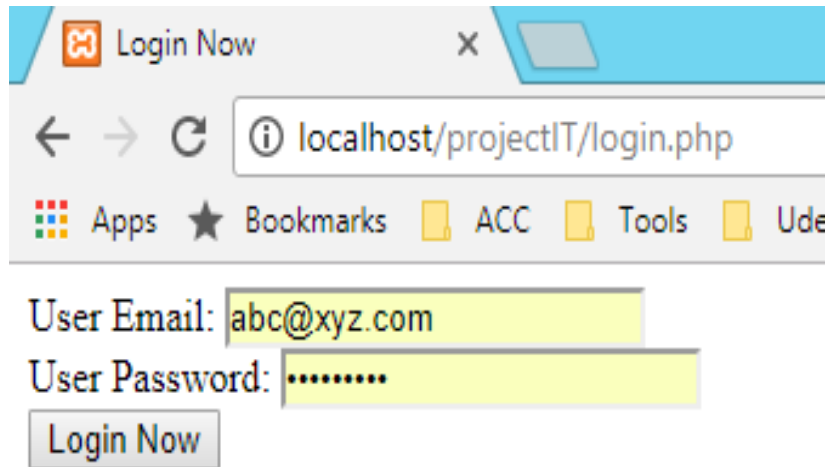
```
<?php
    include("db.php");
?>
<html>
    <head>
        <title> Data View </title>
    </head>
    <body>
        <form method="POST"
action="">
        User name: <input type="text"
name="un" required /> <br>
        <input type="submit"
name="us" value="Search
Record and Display Data"/>
    </form>
    </body>
</html>
```



# 1.5 Search & Display Record

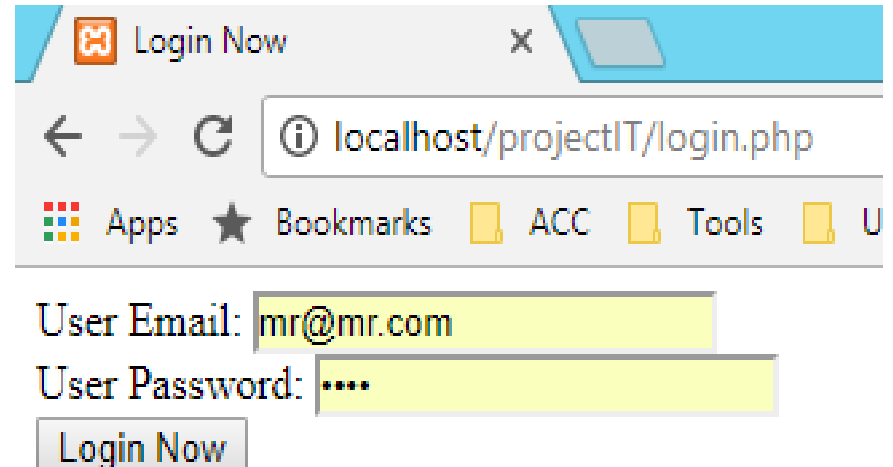
```
<?php
global $con;
if(isset($_POST['us']))){
    $uname=$_POST['un'];
    $su="SELECT * from user WHERE
uname='$uname'";
    $runc=mysqli_query($con,$su);
    $i=0;
while($row=mysqli_fetch_array($runc)){
    $id=$row['uid'];
    $name=$row['uname'];
    $email=$row['uemail'];
    $pass=$row['upass'];
    $i++;
    echo 'User Id: '. $id . '<br>';
    echo 'User Name: '. $name . '<br>';
    echo 'User Email: '. $email . '<br>';
    echo 'User Password: '. $pass . '<br>';
    echo '<br>';
    }
    if($i=="0"){
    echo "Record Not Exist";
    }else{
    echo "Number of records". $i;
    }
    }
?>
```

# 1.6 Login System



User Email: abc@xyz.com  
User Password: .....  
Login Now

Record Not Exist



User Email: mr@mr.com  
User Password: ....  
Login Now

Logged-In

+ Options

		uid	uname	uemail	upass
<input type="checkbox"/>	Edit Copy Delete	1	John	john@gmail.com	1234
<input type="checkbox"/>	Edit Copy Delete	3	john	mr@mr.com	1234

# 1.6 Login System

```
<?php
    include("db.php");
?>
<html>
    <head>
<title> Login Now </title>
    </head>
    <body>
        <form method="POST"
action="">
```

```
User Email: <input type="email"
name="ue" required /> <br>
        User Password:
<input type="password"
name="up" required /><br>
        <input
type="submit" name="ul"
value="Login Now"/>
    </form>
</body>
</html>
```

# 1.6 Login System

```
<?php
```

```
global $con;  
if(isset($_POST['ul'])){  
    $uemail=$_POST['ue'];  
    $upass=$_POST['up'];  
    $lu="SELECT * from user WHERE uemail='$uemail' AND upass='$upass';"  
    $runc=mysqli_query($con,$lu);  
    $check=mysqli_num_rows($runc);  
        if($check=="0"){  
            echo "Record Not Exist";  
        }else{  
            echo "Logged-In";  
        }  
    }  
}
```

```
?>
```

## 2. Exercise: CONNECTIONS - User login

- **Form** for user's input
- **Login action** page:
  - **Connection** with database
  - **Retrieve** user's input
  - **Select a record** from user's table with **same** email and password
  - **Count** the number of row in result
  - If **one** row is selected then **fetch** its values and **store** in **session variable**, otherwise **send** an error message on **main page**

# 2.1 CONNECTIONS: User login form

Connection Home Page! - Google Chrome  
localhost/CONNECTIONS/

**CONNECTIONS**  
Get Connected

**User Login**

Your ID

Your Password

Login

**Post method email**

**Password**

**User Registration**

Your Full Name:

Your Email Address:

Your Password:

Your Picture:  No file chosen

Register

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# Summary

- **Retrieving data from MySQL using PHP**
- **Searching & Display Records**
- **Login System**
- **CONNECTIONS: Login Functionality**

# References

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