Practical-7

Aim: PHP

1. Write a PHP script to upload a file to server.
2. Write a PHP script to get the value from one form and display it into other form.
3. Write a PHP script for login authentication. Design an html form which takes username and password from user and validate against stored username and password in file.

1. Write a PHP script to upload a file to server.

- Create an HTML form that allow users to choose the image file they want to upload

Code:

```
<!DOCTYPE html>
<html>
<body>

<form action="Practical-7(1).php" method="post" enctype="multipart/form-data">
  Select image to upload:
  <input type="file" name="fileToUpload" id="fileToUpload">
  <input type="submit" value="Upload Image" name="submit">
</form>

</body>
</html>
```

Ouput:

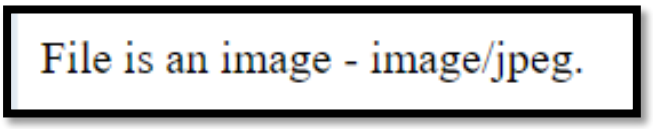
- The " Practical-7(1).php" file contains the code for uploading a file

Code:

```
<?php
$target_dir = "uploads/";
$target_file = $target_dir . basename($_FILES["fileToUpload"]["name"]);
$uploadOk = 1;
$imageFileType = strtolower(pathinfo($target_file,PATHINFO_EXTENSION));
// Check if image file is a actual image or fake image
if(isset($_POST["submit"])) {
  $check = getimagesize($_FILES["fileToUpload"]["tmp_name"]);
  if($check !== false) {
```

```
    echo "File is an image - " . $check["mime"] . ".";
    $uploadOk = 1;
  } else {
    echo "File is not an image.";
    $uploadOk = 0;
  }
}
?>
```

Ouput:



2. Write a PHP script to get the value from one form and display it into other form.

- Displays a simple HTML form with two input fields and a submit button

Code:

```
<!DOCTYPE HTML>
<html>
<body>
<form action="Form2.php" method="post">
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
<input type="submit">
</form>
</body>
</html>
```

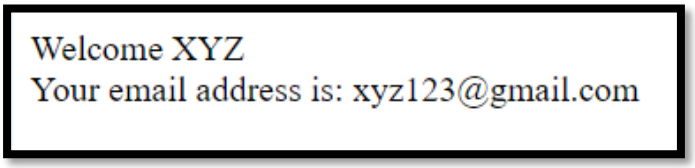
Ouput:

- When the user fills out the form above and clicks the submit button, the form data is sent for processing to a PHP file named "Form2.php". The form data is sent with the HTTP POST method.

Code:

```
Welcome <?php echo $_POST["name"]; ?><br>
Your email address is: <?php echo $_POST["email"]; ?>
```

Ouput:



3. Write a PHP script for login authentication. Design an html form which takes username and password from user and validate against stored username and password in file.

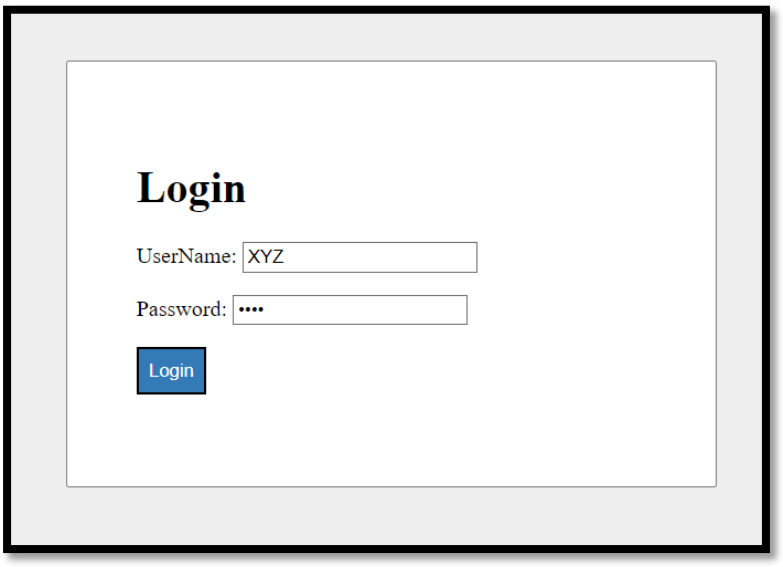
- **Practical-7(3).html** - This file is created for the GUI view of the login page and empty field validation.

Code:

```
<html>
<head>
   <title>PHP login system</title>
   <style>
      body{
         background: #eee;
      }
      #frm{
         border: solid gray 1px;
         width:25%;
         border-radius: 2px;
         margin: 120px auto;
         background: white;
         padding: 50px;
      }
      #btn{
         color: #fff;
         background: #337ab7;
         padding: 7px;
      }
   </style>
</head>
<body>
   <div id = "frm">
      <h1>Login</h1>
      <form name="f1" action = "authentication.php" onsubmit = "return validation()" method = "POST">
         <p>
```

```
            <label> UserName: </label>
            <input type = "text" id ="user" name  = "user" />
        </p>
        <p>
            <label> Password: </label>
            <input type = "password" id ="pass" name  = "pass" />
        </p>
        <p>
            <input type =  "submit" id = "btn" value = "Login" />
        </p>
    </form>
</div>
<!-- validation for empty field    -->
<script>
    function validation()
    {
        var id=document.f1.user.value;
        var ps=document.f1.pass.value;
        if(id.length=="" && ps.length=="") {
            alert("User Name and Password fields are empty");
            return false;
        }
        else
        {
            if(id.length=="") {
                alert("User Name is empty");
                return false;
            }
            if (ps.length=="") {
            alert("Password field is empty");
            return false;
            }
        }
    }
</script>
</body>
</html>
```

Output:



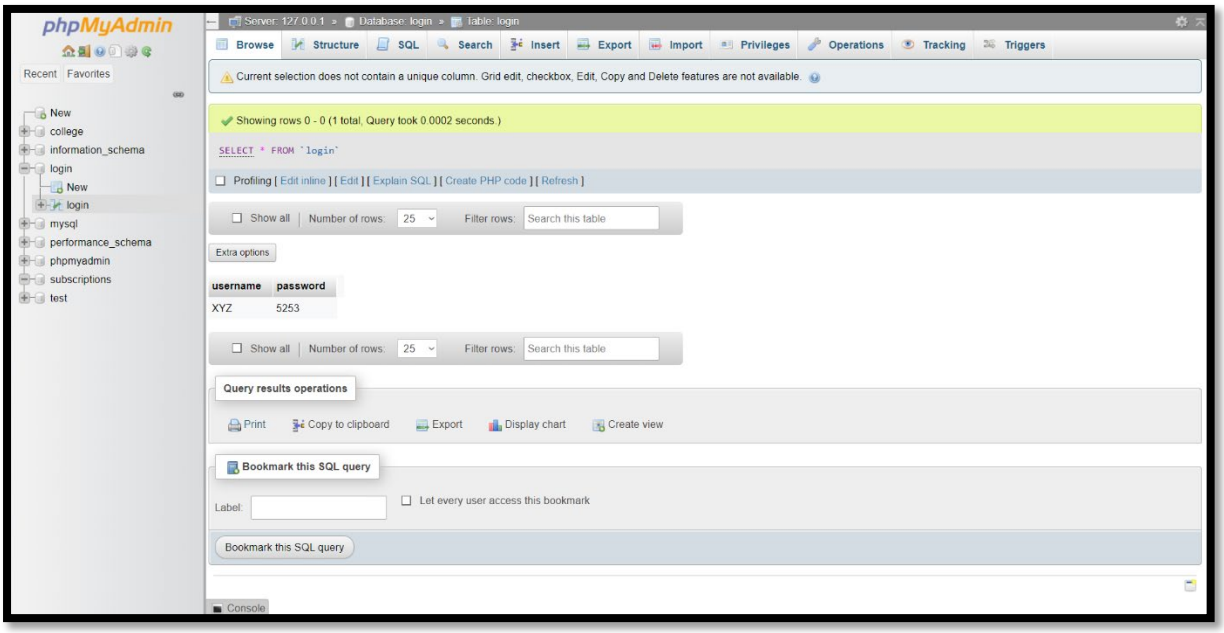
- **connection.php** - Connection file contains the connection code for database connectivity.

Code:

```
<?php
   $host = "localhost";
   $user = "root";
   $password = '';
   $db_name = "login";

   $con = mysqli_connect($host, $user, $password, $db_name);
   if(mysqli_connect_errno()) {
      die("Failed to connect with MySQL: ". mysqli_connect_error());
   }
?>
```

Output:



- **authentication.php -** This file validates the form data with the database which is submitted by the user.

Code:

```
<?php
   include('connection.php');
   $username = $_POST['user'];
   $password = $_POST['pass'];

      //to prevent from mysqli injection
      $username = stripcslashes($username);
      $password = stripcslashes($password);
      $username = mysqli_real_escape_string($con, $username);
      $password = mysqli_real_escape_string($con, $password);

      $sql = "select *from login where username = '$username' and password = '$password'";
      $result = mysqli_query($con, $sql);
      $row = mysqli_fetch_array($result, MYSQLI_ASSOC);
      $count = mysqli_num_rows($result);

      if($count == 1){
         echo "<h1><center> Login successful </center></h1>";
      }
      else{
         echo "<h1> Login failed. Invalid username or password.</h1>";
      }
?>
```

Output:

➢ Successfully Login

➢ Unsuccessfully Login

Practical-8

Aim: Write PHP script for storing and retrieving user information from MySql table.

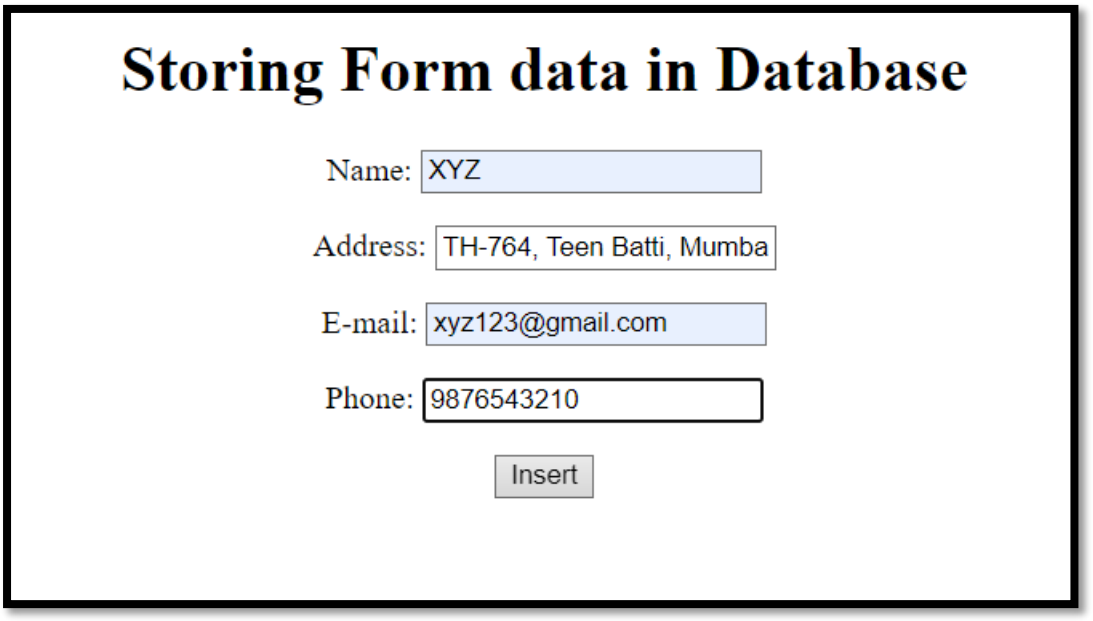
1. Design an Html page which takes Name, Address, Email and phone from user. (registration.php)
2. Store this data in MySQL database.
3. Next page displays all user in html table using PHP (display.php)

1. Design an Html page which takes Name, Address, Email and phone from user. (registration.php)

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Students Registration</title>
</head>
<body>
<center>
<h1>Storing Form data in Database</h1>
<form action="insert.php" method="post">
<p>
<label for="Name">Name:</label>
<input type="text" name="name" id="Name">
</p>
<p>
<label for="Address">Address:</label>
<input type="text" name="address" id="Address">
</p>
<p>
<label for="E-mail">E-mail:</label>
<input type="text" name="email" id="E-mail">
</p>
<p>
<label for="Phone">Phone:</label>
<input type="text" name="phone" id="phone">
</p>
<input type="submit" value="Insert">
</form>
</center>
</body>
</html>
```

Output:



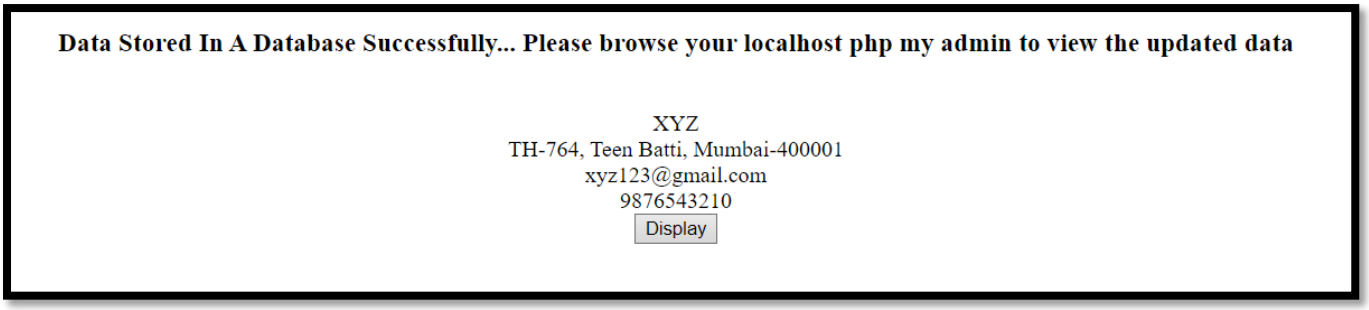
2. Store this data in MySQL database.

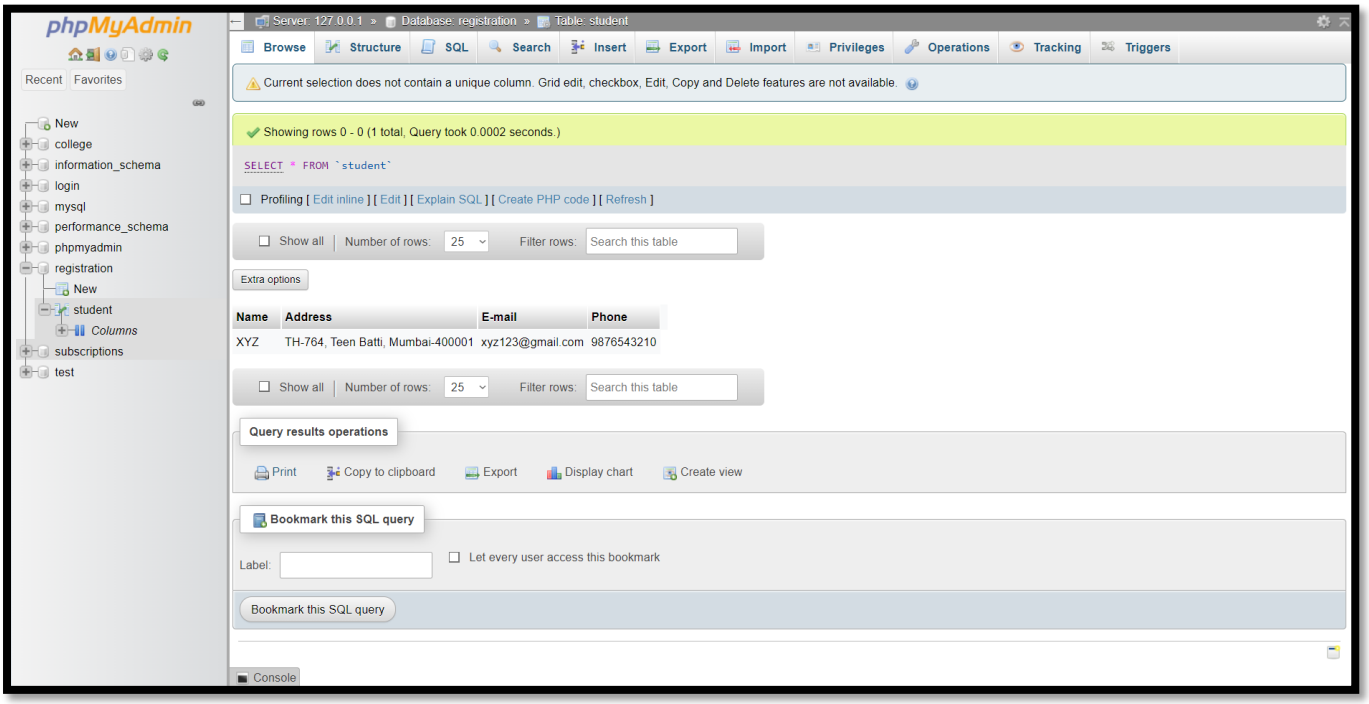
Code:

```
<!DOCTYPE html>
<html>
<head>
<title>Insert Page Page</title>
</head>
<body>
<center>
<?php
// servername => localhost
// username => root
// password => empty
// database name => registration
$conn = mysqli_connect("localhost", "root", "", "registration");
// Check connection
if($conn === false){
die("ERROR: Could not connect. "
. mysqli_connect_error());
}
// Taking all 5 values from the form data(input)
$name = $_REQUEST['name'];
$address = $_REQUEST['address'];
$email = $_REQUEST['email'];
$phone = $_REQUEST['phone'];
// Performing insert query execution
// here our table name is college
$sql = "INSERT INTO student VALUES ('$name','$address','$email','$phone')";
if(mysqli_query($conn, $sql)){
```

```
echo "<h3>Data Stored In A Database Successfully..."
. " Please browse your localhost php my admin"
. " to view the updated data</h3>";
nl2br("\n$name\n"
. "$address\n $email\n $phone");
else{
"ERROR: Hush! Sorry $sql. "
. mysqli_error($conn);
}
// Close connection
mysqli_close($conn);
?>
        <form action="display.php" method="post">
            <input type="submit" value="Display">
        </form>
</center>
</body>
</html>
```

Output:





3. Next page displays all user in html table using PHP (display.php)

Code:

```
<?php
$conn = mysqli_connect("localhost","root","","registration");
// Check connection
if($conn === false){
    die("ERROR: Could not connect. "
        . mysqli_connect_error());
}
// SQL query to select data from database
$sql = " SELECT * FROM student";
$result = $conn->query($sql);
$conn->close();
?>
<!-- HTML code to display data in tabular format -->
<!DOCTYPE html>
<html lang="en">

<head>
        <meta charset="UTF-8">
        <title>Students Details</title>
        <!-- CSS FOR STYLING THE PAGE -->
        <style>
                table {
                        margin: 0 auto;
                        font-size: large;
                        border: 1px solid black;
                }

                h1 {
                        text-align: center;
                        color: #006600;
                        font-size: xx-large;
                        font-family: 'Gill Sans', 'Gill Sans MT',
                        ' Calibri', 'Trebuchet MS', 'sans-serif';
                }

                td {
                        background-color: #E4F5D4;
                        border: 1px solid black;
                }

                th,
                td {
                        font-weight: bold;
                        border: 1px solid black;
                        padding: 10px;
                        text-align: center;
                }
```

```
                td {
                        font-weight: lighter;
                }
        </style>
</head>
<body>
        <section>
                <h1>Students Details</h1>
                <!-- TABLE CONSTRUCTION -->
                <table>
                        <tr>
                                <th>Name</th>
                                <th>Address</th>
                                <th>E-mail</th>
                                <th>Phone</th>
                        </tr>
                        <!-- PHP CODE TO FETCH DATA FROM ROWS -->
                        <?php
                                // LOOP TILL END OF DATA

                                        while($rows=$result->fetch_assoc())
                                        {
                        ?>
                        <tr>
                                <!-- FETCHING DATA FROM EACH
                                        ROW OF EVERY COLUMN -->

                                <td><?php echo $rows['Name'];?></td>
                                <td><?php echo $rows['Address'];?></td>
                                <td><?php echo $rows['E-mail'];?></td>
                                <td><?php echo $rows['Phone'];?></td>
                        </tr>
                        <?php
                                }
                        ?>
                </table>
        </section>
</body>
</html>
```

Output:

Students Details

Name	Address	E-mail	Phone
XYZ	TH-764, Teen Batti, Mumbai-400001	xyz123@gmail.com	9876543210

Practical-9

Aim: Write a PHP program to store page views count in SESSION, to increment the count on each refresh, and to show the count on web page.

Code:

```
<?php
session_start();
if(isset($_SESSION['views']))
   $_SESSION['views'] = $_SESSION['views']+1;
else
   $_SESSION['views']=1;
echo"views = ".$_SESSION['views'];
?>
```

Output: