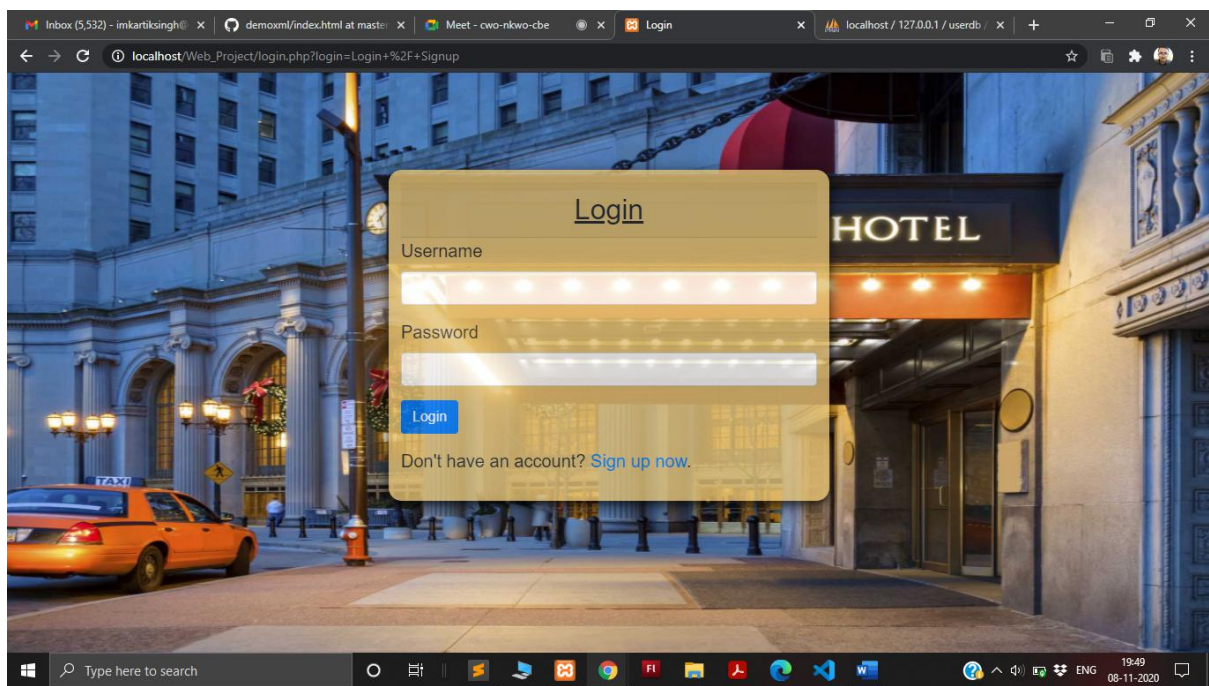


Experiment 5: Php script

Aim: To make a php script for form validation. To make an HTML form and ask the user details.

Implementation:

Output:



Inbox (5,532) - imkartisingsh@... x demoxml/index.html at master x Meet - cwo-nkwo-cbe x Sign Up x +

localhost/Web_Project/signup.php

Sign Up

Username

Password

Confirm Password

[Sign Up](#)

Already have an account? [Login here.](#)

localhost / 127.0.0.1 / userdb / x +

localhost/phpmyadmin/sql.php?server=1&db=userdb&table=users&pos=0

phpMyAdmin

Recent Favorites

- New
- bg
- information_schema
- mysql
- performance_schema
- phpmyadmin
- test
- userdb
 - New
 - booking
 - payment
 - users

Servers: 127.0.0.1 Database: userdb Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 6 (7 total, Query took 0.0010 seconds)

SELECT * FROM `users`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

		id	username	password	created_at
<input type="checkbox"/>	Edit Copy Delete	1	RA1711003011310	\$2y\$10\$oa11Nf.2St4JN.6HE4j1OTxnpTFCKsR4DmXdsIgKy...	2020-10-05 09:09:24
<input type="checkbox"/>	Edit Copy Delete	2	Mohit	\$2y\$10\$bwK0kYE6uijzgWaZYDphxe/PqYqj2mY0/0NFRXzoqAm...	2020-10-05 09:10:23
<input type="checkbox"/>	Edit Copy Delete	6	Maresh	\$2y\$10\$C24bDFTthmx.LMMFK3i..mYV148pr/U6RfxRGHIRT...	2020-10-05 11:56:10
<input type="checkbox"/>	Edit Copy Delete	7	Rishika	\$2y\$10\$wy/V7kpS6olcpacjilmsDuObD3Bc7hE0Kb3bO3WQWZJ...	2020-10-06 10:56:59
<input type="checkbox"/>	Edit Copy Delete	8	Kuldeep	\$2y\$10\$u1dTPZbFulOUVFKK2S10FuwvGZqQcGSME04PEPkDqH...	2020-10-31 18:45:11
<input type="checkbox"/>	Edit Copy Delete	9	Neelesh	\$2y\$10\$JNtbKaQfqqZq3XPCxHS9uWP1Z83p966v1IckXuxulnR...	2020-11-04 11:24:33
<input type="checkbox"/>	Edit Copy Delete	10	Ramesh	\$2y\$10\$NBMo4M.uq/wkFCf244LaP.DAo1mYTT1PyK/V88zqqz8...	2020-11-04 11:29:37

☐ Check all With selected: Edit Copy Delete Export

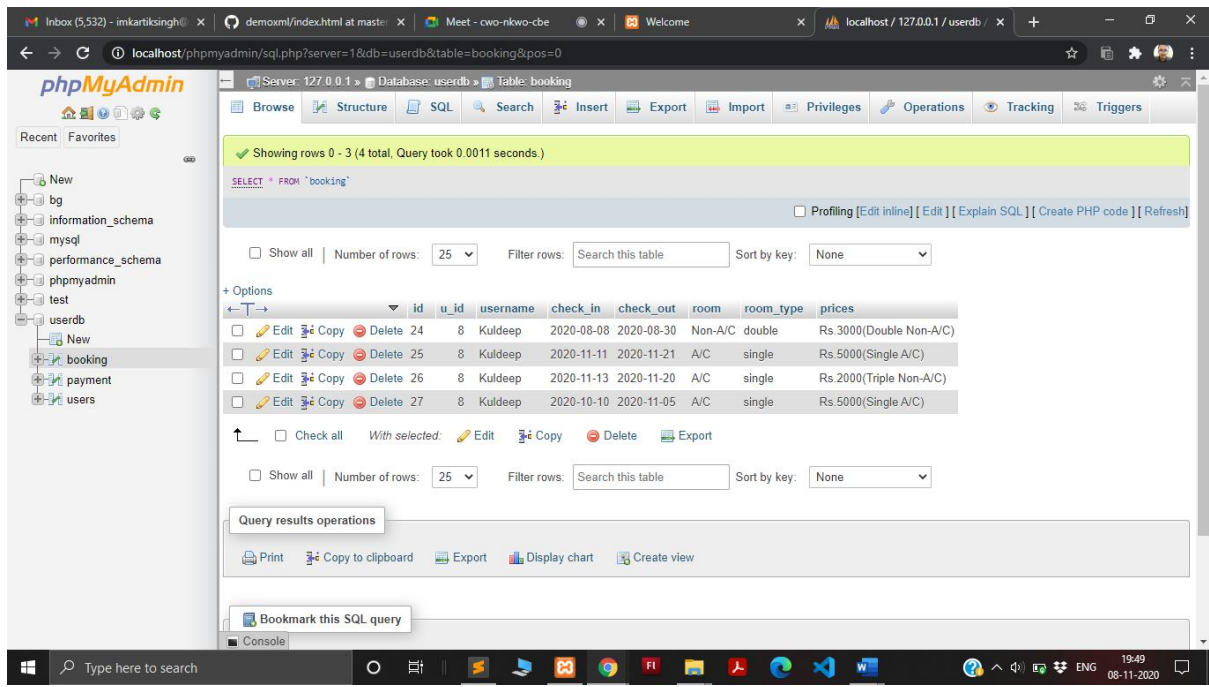
☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view Console

Type here to search

19:49 08-11-2020



Code:

Login.php

```
<?php
```

```
// Initialize the session
```

```
session_start();
```

```
// Check if the user is already logged in, if yes then redirect him to welcome page
```

```
if(isset($_SESSION["loggedin"]) && $_SESSION["loggedin"] === true){
```

```
    header("location: home.php");
```

```
    exit;
```

```
}
```

```
// Include config file
```

```
require_once "config.php";
```

```
// Define variables and initialize with empty values

$username = $password = "";
$username_err = $password_err = "";


// Processing form data when form is submitted
if($_SERVER["REQUEST_METHOD"] == "POST"){

    // Check if username is empty
    if(empty(trim($_POST["username"]))){
        $username_err = "Please enter username.";
    } else{
        $username = trim($_POST["username"]);
    }

    // Check if password is empty
    if(empty(trim($_POST["password"]))){
        $password_err = "Please enter your password.";
    } else{
        $password = trim($_POST["password"]);
    }

    // Validate credentials
    if(empty($username_err) && empty($password_err)){
        // Prepare a select statement
        $sql = "SELECT id, username, password FROM users WHERE username = ?";

        if($stmt = mysqli_prepare($link, $sql)){
            // Bind variables to the prepared statement as parameters
            mysqli_stmt_bind_param($stmt, "s", $param_username);
```

```
// Set parameters
$param_username = $username;

// Attempt to execute the prepared statement
if(mysqli_stmt_execute($stmt)){
    // Store result
    mysqli_stmt_store_result($stmt);

    // Check if username exists, if yes then verify password
    if(mysqli_stmt_num_rows($stmt) == 1){
        // Bind result variables
        mysqli_stmt_bind_result($stmt, $id, $username, $hashed_password);
        if(mysqli_stmt_fetch($stmt)){
            if(password_verify($password, $hashed_password)){
                // Password is correct, so start a new session
                session_start();

                // Store data in session variables
                $_SESSION["loggedin"] = true;
                $_SESSION["id"] = $id;
                $_SESSION["username"] = $username;

                // Redirect user to welcome page
                header("location: home.php");
            } else{
                // Display an error message if password is not valid
                $password_err = "The password you entered was not valid.";
            }
        }
    }
} else{
    // Display an error message if username doesn't exist
```

```
        $username_err = "No account found with that username.";
    }
} else{
    echo "Oops! Something went wrong. Please try again later.";
}

// Close statement
mysqli_stmt_close($stmt);
}
}

// Close connection
mysqli_close($link);
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Login</title>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhvx8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">    <title></title>

    <style type="text/css">

        body
    {
        font-size: 20px;
        font-family: 'Arial';
        padding: auto;
```

```

margin-top: 110px;
background-color: black;
background-image: url('bg.jpg');
background-size: 1400px 680px;
opacity: 120%;
}

        .container
    {
max-width: 500px;
padding: 14px 14px 14px 14px;
box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.5), 0 6px 20px 0 rgba(0, 0, 0, 0.8);
align-self: center;
background-color:#E2C073;
border-radius: 15px;
align-self: left;

opacity: 80%;

    }

        </style>
</head>
<body>
    <div class="container">
        <h2 class="text-center card-header"><u>Login</u></h2>
        <form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>" method="post">
            <div class="form-group <?php echo (!empty($username_err)) ? 'has-error' : ''; ?>">
                <label>Username</label>
                <input type="text" name="username" class="form-control" value="<?php echo
$username; ?>">
                <span class="help-block"><?php echo $username_err; ?></span>

```

```

    </div>

    <div class="form-group <?php echo (!empty($password_err)) ? 'has-error' : ''; ?>">

        <label>Password</label>

        <input type="password" name="password" class="form-control">

        <span class="help-block"><?php echo $password_err; ?></span>

    </div>

    <div class="form-group">

        <input type="submit" class="btn btn-primary" value="Login">

    </div>

    <p>Don't have an account? <a href="signup.php">Sign up now</a>.</p>

</form>

</div>

</body>

</html>

```

Signup.php

```

<?php

// Include config file
require_once "config.php";

// Define variables and initialize with empty values
$username = $password = $confirm_password = "";
$username_err = $password_err = $confirm_password_err = "";

// Processing form data when form is submitted
if($_SERVER["REQUEST_METHOD"] == "POST"){

    // Validate username

```



```
if(empty(trim($_POST["username"]))) {
    $username_err = "Please enter a username.";
} else {
    // Prepare a select statement
    $sql = "SELECT id FROM users WHERE username = ?";

    if($stmt = mysqli_prepare($link, $sql)) {
        // Bind variables to the prepared statement as parameters
        mysqli_stmt_bind_param($stmt, "s", $param_username);

        // Set parameters
        $param_username = trim($_POST["username"]);

        // Attempt to execute the prepared statement
        if(mysqli_stmt_execute($stmt)) {
            /* store result */
            mysqli_stmt_store_result($stmt);

            if(mysqli_stmt_num_rows($stmt) == 1) {
                $username_err = "This username is already taken.";
            } else {
                $username = trim($_POST["username"]);
            }
        } else {
            echo "Oops! Something went wrong. Please try again later.";
        }
    }
}
```

```
// Close statement
mysqli_stmt_close($stmt);
}
}

// Validate password
if(empty(trim($_POST["password"]))) {
    $password_err = "Please enter a password.";
} elseif(strlen(trim($_POST["password"])) < 6) {
    $password_err = "Password must have atleast 6 characters.";
} else {
    $password = trim($_POST["password"]);
}

// Validate confirm password
if(empty(trim($_POST["confirm_password"]))) {
    $confirm_password_err = "Please confirm password.";
} else {
    $confirm_password = trim($_POST["confirm_password"]);
    if(empty($password_err) && ($password != $confirm_password)) {
        $confirm_password_err = "Password did not match.";
    }
}

// Check input errors before inserting in database
```

```
if(empty($username_err) && empty($password_err) &&
empty($confirm_password_err)){

    // Prepare an insert statement
    $sql = "INSERT INTO users (username, password) VALUES (?, ?)";

    if($stmt = mysqli_prepare($link, $sql)){
        // Bind variables to the prepared statement as parameters
        mysqli_stmt_bind_param($stmt, "ss", $param_username,
        $param_password);

        // Set parameters
        $param_username = $username;
        $param_password = password_hash($password, PASSWORD_DEFAULT);
        // Creates a password hash

        // Attempt to execute the prepared statement
        if(mysqli_stmt_execute($stmt)){
            // Redirect to login page
            header("location: login.php");
        } else{
            echo "Something went wrong. Please try again later.";
        }

        // Close statement
        mysqli_stmt_close($stmt);
    }
}
```

```
}

// Close connection
mysqli_close($link);
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Sign Up</title>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.
css" integrity="sha384-
Vkoo8x4CGsO3+Hh xv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifj
h" crossorigin="anonymous"> <title></title>
    <style type="text/css">
        body
    {
        font-size: 20px;
        font-family: 'Arial';
        padding: auto;
        margin-top: 110px;
        background-color: black;
        background-image: url('bg.jpg');
        background-size: 1400px 680px;
```

```
    opacity: 120%;
  }

  .container
{
max-width: 500px;
padding: 14px 14px 14px 14px;
box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.5), 0 6px 20px 0 rgba(0, 0, 0, 0.8);
align-self: center;
background-color:#E2C073;
border-radius: 15px;
align-self: left;
opacity: 80%;
margin-top: -40px;
```

```
a
{
color: #7cc278;
}
```

```
    </style>
}
```

```
</head>
```

```
<body>
```

```
<div class="container">
```

```
  <h2 class ="text-center card-header"><u>Sign Up</u></h2>
```

```
<form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>"
method="post">

    <div class="form-group <?php echo (!empty($username_err)) ? 'has-
error' : ''; ?>">

        <label>Username</label>

        <input type="text" name="username" class="form-control"
value="<?php echo $username; ?>">

        <span class="help-block"><?php echo $username_err; ?></span>

    </div>

    <div class="form-group <?php echo (!empty($password_err)) ? 'has-
error' : ''; ?>">

        <label>Password</label>

        <input type="password" name="password" class="form-control"
value="<?php echo $password; ?>">

        <span class="help-block"><?php echo $password_err; ?></span>

    </div>

    <div class="form-group <?php echo (!empty($confirm_password_err)) ?
'has-error' : ''; ?>">

        <label>Confirm Password</label>

        <input type="password" name="confirm_password" class="form-
control" value="<?php echo $confirm_password; ?>">

        <span class="help-block"><?php echo
$confirm_password_err; ?></span>

    </div>

    <div class="form-group">

        <input type="submit" class="btn btn-primary" value="Sign Up">

    </div>

    <p>Already have an account? <a href="login.php">Login here</a>.</p>

</form>
```

</div>

</body>

</html>

Result:The experiment was successfully completed.