Experiment No.8

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Roll No.- 455 Grade:

DOP: Sign:

DOS:

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Aim: Establish a connection between PHP and MySQL database

Theory:

The term PHP is an acronym of Hypertext Preprocessor. It is an open-source, interpreted, object-oriented server-side scripting language for web development. There are some important points that every PHP developer should know.

Features of PHP

Open-Source and Free: PHP is firstly open source which means anyone can use PHP code without any licensing. Along with this one can run PHP on any operating system like Windows, macOS, Linux, Unix and more.

PHP Server-Side Scripting: PHP code executes on the server before sending HTML content to the user’s browser, allowing for the dynamic generation of web pages and handling user interactions.

Interpreted language: PHP code is interpreted line by line, eliminating the need for compilation and simplifying development and testing processes.

Database connectivity: PHP integrates seamlessly with various databases like MySQL, PostgreSQL, and Oracle, facilitating data storage and retrieval for web applications.

Object-oriented programming (OOP): PHP supports OOP concepts like classes, objects, inheritance, and polymorphism, enabling better code organization and modularity.

Built-in functions: PHP comes with a rich set of built-in functions for various tasks such as string manipulation, date and time handling, file handling, and more, reducing the need for external libraries.

Session management: PHP allows for user session management, enabling personalized experiences and storing user data across multiple page visits.

Security features: While security considerations are essential for any development language, PHP offers several built-in security features and best practices to help mitigate vulnerabilities.

What is MySQL?

MySQL is an open-source relational database management system (RDBMS). It is the most popular database system used with PHP. MySQL is developed, distributed, and supported by Oracle Corporation.

The data in a MySQL database are stored in tables which consist of columns and rows.

MySQL is a database system that runs on a server.

MySQL is ideal for both small and large applications.

MySQL is very fast, reliable, and easy to use database system.It uses standard SQL

MySQL compiles on a number of platforms.

Code and Output:

<?php

$insert=false;

if(isset($\_POST['name'])){

$server="localhost";

$username="root";

$password="";

$con=mysqli\_connect($server,$username,$password);

if(!$con){

die("lost".mysqli\_connect\_error());

}

$name=$\_POST['name'];

$email=$\_POST['email'];

$password=$\_POST['password'];

$sql="INSERT INTO user.registration ( name,email,password) VALUES ('$name', '$email', '$password')";

// echo $sql;

if($con->query($sql)==true){

//echo"sucess";

$insert=true;

}

else{

echo"error:$sql <br> $con->error";

}

$con->close();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.2/css/all.min.css">

<link rel="stylesheet" href="style.css">

<title>login</title>

</head>

<body>

<div class="container" id="container">

<div class="form-container sign-up">

<form action="login.php" method="post">

<h1>Create Account</h1>

<div class="social-icons">

<a href="#" class="icon"><i class="fa-brands fa-google-plus-g"></i></a>

<a href="#" class="icon"><i class="fa-brands fa-facebook-f"></i></a>

<a href="#" class="icon"><i class="fa-brands fa-github"></i></a>

<a href="#" class="icon"><i class="fa-brands fa-linkedin-in"></i></a>

</div>

<span>or use your email for registeration</span>

<input type="text" id="name" name="name" placeholder="Name" required>

<input type="email" id="email" name="email" placeholder="Email" required>

<input type="password" id="password" name="password" placeholder="Password" minlength="6" required>

<input type="password" id="confirmpassword" placeholder="confirm Password" onkeyup="validate\_password()">

<span id="wrong\_pass\_alert"></span>

<button id="create" onclick="wrong\_pass\_alert()">Sign Up</button>

</form>

</div>

<div class="form-container sign-in">

<form>

<h1>Sign In</h1>

<div class="social-icons">

<a href="#" class="icon"><i class="fa-brands fa-google-plus-g"></i></a>

<a href="#" class="icon"><i class="fa-brands fa-facebook-f"></i></a>

<a href="#" class="icon"><i class="fa-brands fa-github"></i></a>

<a href="#" class="icon"><i class="fa-brands fa-linkedin-in"></i></a>

</div>

<span>or use your email password</span>

<input type="email" placeholder="Email" required>

<input type="password" placeholder="Password" minlength="6" required>

<a href="#">Forget Your Password?</a>

<button>Sign In</button>

</form>

</div>

<div class="toggle-container">

<div class="toggle">

<div class="toggle-panel toggle-left">

<h1>Welcome Back!</h1>

<p>Enter your personal details</p>

<button class="hidden" id="login">Sign In</button>

</div>

<div class="toggle-panel toggle-right">

<h1>Hello, Friend!</h1>

<p>Register with your personal details</p>

<button class="hidden" id="register">Sign Up</button>

</div>

</div>

</div>

</div>

<script src="script.js"></script>

</body>

</html>



