**Simple registration form**

**Simple registration form** using **HTML, CSS**, and **PHP** with **MySQL database integration**.

***This includes: -***

* ***HTML*** for user input
* ***CSS*** for styling
* ***PHP*** code to handle registration
* Basic ***MySQL*** table structure.

**Key Words: -**

**die** waa amar (function) ku jira PHP oo loo adeegsado **in barnaamijku joojiyo isla markiiba** haddii qalad dhaco, isla markaana **farriin khalad** ah la tuso.

**trim()** waa **function (hawl) PHP** ah oo **ka saarta firaaqada (space)** iyo calaamado kale oo aan la rabin **xagga hore iyo dambe** ee qoraalka (string).

**$\_POST** waa **array khaas ah oo PHP ah** oo lagu isticmaalo si **loogu helo xogta user-ku ka diray form** iyadoo la adeegsado **method="post"**.

**$stmt (statement)** waa **magac variable** ah oo caadi ahaan loo isticmaalo marka la isticmaalayo **prepared statements** gudaha **PHP + MySQLi** si loo sameeyo amaro (SQL queries) ammaan ah oo la maamuli karo.

**$stmt** waa gaabinta erayga **"statement"** (oo la micno ah "bayaanka/amar SQL ah").

**bind\_param(...)**

* Waa **function ku xiran object-ka** $stmt (SQL statement).
* Waxa uu **xiraa (binds)** qiimaha la gelinayo gudaha ? ee SQL query-ga.

### "sss"

* Waa **string tilmaamaysa nooca xogta** la gelinayo.
* Hal xaraf kasta wuxuu u dhigantaa mid ka mid ah qiimaha la gelinayo:

|  |  |  |
| --- | --- | --- |
| **Xarafka** | **Micnaha** | **Nooca Variable** |
| **s** | **string** | Tusaale: username, email, password |
| **i** | **integer** | Tusaale: age, id |
| **d** | **double** (nambar leh dhibic) | Tusaale: qiimo lacag |
| **b** | **blob** (xog binary ah) | Tusaale: sawir ama file |

Marka "**sss**" la yiraahdo, waxay ka dhigan tahay:

* Meesha 1aad: string ($username)
* Meesha 2aad: string ($email)
* Meesha 3aad: string ($hashedPassword)

### $username, $email, $hashedPassword

* Kuwaas waa **xogta user-ku geliyey**
* Waxa lagu xirayaa prepared statement si ammaan ah

**HTML + CSS (file: register.html)**

<!DOCTYPE html>

<html>

<head>

  <title>Register</title>

  <style>

    body {

      font-family: Arial, sans-serif;

      background-color: #eef2f3;

    }

    .form-container {

      width: 300px;

      margin: 100px auto;

      padding: 20px;

      background: white;

      border-radius: 8px;

      box-shadow: 0 0 10px rgba(0,0,0,0.1);

    }

    input[type=text], input[type=email], input[type=password] {

      width: 100%;

      padding: 10px;

      margin: 8px 0;

      border: 1px solid #ccc;

      border-radius: 4px;

    }

    input[type=submit] {

      background-color: #28a745;

      color: white;

      padding: 10px;

      border: none;

      border-radius: 4px;

      cursor: pointer;

      width: 100%;

    }

    input[type=submit]:hover {

      background-color: #218838;

    }

  </style>

</head>

<body>

  <div class="form-container">

    <h2>Register</h2>

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

      <input type="text" name="username" placeholder="Username" required>

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

      <input type="password" name="password" placeholder="Password" required>

      <input type="submit" value="Register">

    </form>

  </div>

</body>

</html>

**PHP Script (file: register.php)**

<?php

$host = "localhost"; // Halkan waxa aad ku qortaa magaca server-kaaga

MySQL, badanaa waa "localhost".

$user = "root";  // Halkan waxa aad ku qortaa magaca isticmaalayso Badanaa

waa Root.

$pass = "";   // Halkan waxa aad ku qortaa erayga sirta ah ee

isticmaalehaaga MySQL, haddii aadan isticmaalin eray sir ah, waxaad ka tagi kartaa madhan.

$db = "register";  // Halkan waxa aad ku qortaa magaca database-kaaga

MySQL ee aad rabto inaad isticmaasho, haddii aadan weli abuurin database, waxaad u baahan tahay inaad abuurto mid cusub oo leh magacaas.

// Create connection  // Abuur isku xidhaha Database-ka iyo Fromkaaga html.

$conn = new mysqli($host, $user, $pass, $db);

// Check connection    // Haddii isku xidhka uu guuleysto, waxa uu soo

celinayaa "true" haddii uu guuldareysto, waxa uu soo celinayaa "false".

if ($conn->connect\_error) {

    die("Connection failed: " . $conn->connect\_error);

}

// Get and sanitize input

// Halkan waxa aad ka soo qaadanaysaa xogta laga soo diray foomka HTML.

$username = trim($\_POST['username']);

$email = trim($\_POST['email']);

$password = trim($\_POST['password']);

// Hash password        // Halkan waxa aad ku hash (encript) gareynaysaa erayga sirta ah si aad u ilaaliso amniga.

$hashedPassword = password\_hash($password, PASSWORD\_DEFAULT);

// Insert into database      // Halkan waxa aad ku gelinaysaa xogta database-ka.

$sql = "INSERT INTO users (username, email, password) VALUES (?, ?, ?)";

$stmt = $conn->prepare($sql);

$stmt->bind\_param("sss", $username, $email, $hashedPassword);

if ($stmt->execute()) {

    echo "Registration successful!";

} else {

    echo "Error: " . $stmt->error;

}

$stmt->close();

$conn->close();

?>

**Creating a MySQL Database and Tables.**

CREATE DATABASE **user\_db**;

USE **user\_db**;

CREATE TABLE users (

**id** INT AUTO\_INCREMENT **PRIMARY KEY**,

**username** VARCHAR(50) **NOT NULL**,

**email** VARCHAR(100) **NOT NULL UNIQUE**,

**password** VARCHAR(255) **NOT NULL**

);

**PHP Script (file: register.php)**

<?php

$host = "localhost";

$user = "root";

$pass = "";

$db = "register";

// Create connection

$conn = new mysqli($host, $user, $pass, $db);

// Check connection

if ($conn->connect\_error) {

    die("Connection failed: " . $conn->connect\_error);

}

// Get and sanitize input

$username = trim($\_POST['username']);

$email = trim($\_POST['email']);

$password = trim($\_POST['password']);

// Hash password

$hashedPassword = password\_hash($password, PASSWORD\_DEFAULT);

// Insert into database

$sql = "INSERT INTO users (username, email, password) VALUES (?, ?, ?)";

$stmt = $conn->prepare($sql);

$stmt->bind\_param("sss", $username, $email, $hashedPassword);

if ($stmt->execute()) {

    echo "Registration successful!";

} else {

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}

$stmt->close();

$conn->close();

?>