

WEB Tutorial  
PHP with mySQL

1. Create “*students*” table with *id, name, email, password* fields inside the “*university”* database.

**University Database**

<?php

$servername = "localhost";

$username = "your\_mysql\_username";

$password = "your\_mysql\_password";

try {

$conn = new PDO("mysql:host=$servername", $username, $password);

$conn->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

$sql = "CREATE DATABASE IF NOT EXISTS university";

$conn->exec($sql);

echo "Database 'university' created successfully.<br>";

} catch(PDOException $e) {

echo "Error creating database: " . $e->getMessage();

}

?>

**Student Table**

<?php

$servername = "localhost";

$username = "your\_mysql\_username";

$password = "your\_mysql\_password";

$dbname = "university";

try {

$conn = new PDO("mysql:host=$servername;dbname=$dbname", $username, $password);

$conn->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

$sql = "CREATE TABLE IF NOT EXISTS students (

id INT(6) UNSIGNED AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(50) NOT NULL,

email VARCHAR(100) NOT NULL,

password VARCHAR(255) NOT NULL

)";

$conn->exec($sql);

echo "Table 'students' created successfully in 'university' database.<br>";

} catch(PDOException $e) {

echo "Error creating table: " . $e->getMessage();

}

?>

2. Create html file with form to get *id, name, email, password.*

Register.html

<!DOCTYPE html>

<html>

<head>

<title>Student Registration</title>

</head>

<body>

<h2>Student Registration Form</h2>

<form action="process\_form.php" method="post">

<label for="id">ID:</label>

<input type="text" id="id" name="id" required><br>

<label for="name">Name:</label>

<input type="text" id="name" name="name" required><br>

<label for="email">Email:</label>

<input type="email" id="email" name="email" required><br>

<label for="password">Password:</label>

<input type="password" id="password" name="password" required><br>

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

</form>

</body>

</html>

Process\_form.php

<?php

$servername = "localhost";

$username = "your\_mysql\_username";

$password = "your\_mysql\_password";

$dbname = "university";

try {

$conn = new PDO("mysql:host=$servername;dbname=$dbname", $username, $password);

$conn->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

// Get form data

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

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

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

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

// Prepare and execute the SQL query

$stmt = $conn->prepare("INSERT INTO students (id, name, email, password) VALUES (:id, :name, :email, :password)");

$stmt->bindParam(':id', $id);

$stmt->bindParam(':name', $name);

$stmt->bindParam(':email', $email);

$stmt->bindParam(':password', $password);

$stmt->execute();

echo "Registration successful!";

} catch(PDOException $e) {

echo "Error: " . $e->getMessage();

}

?>

3. Send data to PHP file and store in the “*university”* database.  
<?php

$servername = "localhost";

$username = "your\_mysql\_username";

$password = "your\_mysql\_password";

$dbname = "university";

try {

$conn = new PDO("mysql:host=$servername;dbname=$dbname", $username, $password);

$conn->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

// Get form data

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

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

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

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

// Prepare and execute the SQL query

$stmt = $conn->prepare("INSERT INTO students (id, name, email, password) VALUES (:id, :name, :email, :password)");

$stmt->bindParam(':id', $id);

$stmt->bindParam(':name', $name);

$stmt->bindParam(':email', $email);

$stmt->bindParam(':password', $password);

$stmt->execute();

echo "Registration successful!";

} catch(PDOException $e) {

echo "Error: " . $e->getMessage();

}

?>

4. Create another file to show students details using table.

<!DOCTYPE html>

<html>

<head>

<title>Students Details</title>

<style>

table {

border-collapse: collapse;

width: 100%;

}

th, td {

border: 1px solid black;

padding: 8px;

text-align: left;

}

</style>

</head>

<body>

<h2>Students Details</h2>

<table>

<tr>

<th>ID</th>

<th>Name</th>

<th>Email</th>

</tr>

<?php

$servername = "localhost";

$username = "your\_mysql\_username";

$password = "your\_mysql\_password";

$dbname = "university";

try {

$conn = new PDO("mysql:host=$servername;dbname=$dbname", $username, $password);

$conn->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

// Prepare and execute the SQL query to retrieve student data

$stmt = $conn->prepare("SELECT id, name, email FROM students");

$stmt->execute();

// Fetch all records and display them in a table

while ($row = $stmt->fetch(PDO::FETCH\_ASSOC)) {

echo "<tr>";

echo "<td>{$row['id']}</td>";

echo "<td>{$row['name']}</td>";

echo "<td>{$row['email']}</td>";

echo "</tr>";

}

} catch(PDOException $e) {

echo "Error: " . $e->getMessage();

}

?>

</table>

</body>

</html>