

WEB Tutorial  
PHP with mySQL

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

<?php

// Database connection parameters

$host = "localhost";

$username = "your\_mysql\_username";

$password = "your\_mysql\_password";

$database = "university";

// Connect to the MySQL server

$conn = mysqli\_connect($host, $username, $password);

// Check connection

if (!$conn) {

die("Connection failed: " . mysqli\_connect\_error());

}

// Create the university database if it doesn't exist

$sql\_create\_db = "CREATE DATABASE IF NOT EXISTS university";

if (mysqli\_query($conn, $sql\_create\_db)) {

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

} else {

echo "Error creating database: " . mysqli\_error($conn) . "<br>";

}

// Select the university database

mysqli\_select\_db($conn, $database);

// Create the students table if it doesn't exist

$sql\_create\_table = "CREATE TABLE IF NOT EXISTS students (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

email VARCHAR(100) NOT NULL UNIQUE,

password VARCHAR(100) NOT NULL

)";

if (mysqli\_query($conn, $sql\_create\_table)) {

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

} else {

echo "Error creating table: " . mysqli\_error($conn) . "<br>";

}

// Close the database connection

mysqli\_close($conn);

?>

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

<!DOCTYPE html>

<html>

<head>

<title>Student Registration Form</title>

</head>

<body>

<h1>Student Registration Form</h1>

<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="Submit">

</form>

</body>

</html>

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

<?php

// Database connection parameters

$host = "localhost";

$username = "your\_mysql\_username";

$password = "your\_mysql\_password";

$database = "university";

// Connect to the MySQL server

$conn = mysqli\_connect($host, $username, $password, $database);

// Check connection

if (!$conn) {

die("Connection failed: " . mysqli\_connect\_error());

}

// Retrieve form data

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

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

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

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

// Validate and sanitize the data (you can add more validation as needed)

// Insert the data into the "students" table

$sql\_insert = "INSERT INTO students (id, name, email, password) VALUES ('$id', '$name', '$email', '$password')";

if (mysqli\_query($conn, $sql\_insert)) {

echo "Data stored in the database successfully.";

} else {

echo "Error storing data: " . mysqli\_error($conn);

}

// Close the database connection

mysqli\_close($conn);

?>

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

<!DOCTYPE html>

<html>

<head>

<title>Students Details</title>

<style>

table {

border-collapse: collapse;

width: 50%;

margin: 20px auto;

}

th, td {

border: 1px solid black;

padding: 8px;

text-align: center;

}

</style>

</head>

<body>

<h1>Students Details</h1>

<?php

// Database connection parameters

$host = "localhost";

$username = "your\_mysql\_username";

$password = "your\_mysql\_password";

$database = "university";

// Connect to the MySQL server

$conn = mysqli\_connect($host, $username, $password, $database);

// Check connection

if (!$conn) {

die("Connection failed: " . mysqli\_connect\_error());

}

// Fetch students data from the database

$sql\_select = "SELECT \* FROM students";

$result = mysqli\_query($conn, $sql\_select);

// Check if there are any records

if (mysqli\_num\_rows($result) > 0) {

// Display data in a table

echo "<table>";

echo "<tr><th>ID</th><th>Name</th><th>Email</th><th>Password</th></tr>";

while ($row = mysqli\_fetch\_assoc($result)) {

echo "<tr>";

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

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

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

echo "<td>" . $row['password'] . "</td>";

echo "</tr>";

}

echo "</table>";

} else {

echo "No students data found.";

}

// Close the database connection

mysqli\_close($conn);

?>

</body>

</html>