CREATE DATABASE users;

USE users;

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) NOT NULL,

password VARCHAR(255) NOT NULL

);

Register

<?php

// Connection to the database

$host = 'localhost';

$dbname = 'users';

$username = 'root'; // your database username

$password = ''; // your database password

$conn = new mysqli($host, $username, $password, $dbname);

if ($conn->connect\_error) {

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

}

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

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

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

// Password hashing

$hashed\_password = password\_hash($password, PASSWORD\_DEFAULT);

// Prepare the query

$stmt = $conn->prepare("INSERT INTO users (username, password) VALUES (?, ?)");

$stmt->bind\_param('ss', $username, $hashed\_password);

if ($stmt->execute()) {

echo "Registration successful!";

} else {

echo "Error: " . $stmt->error;

}

$stmt->close();

}

$conn->close();

?>

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

<label>Username:</label>

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

<label>Password:</label>

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

<button type="submit">Register</button>

</form>

Login

<?php

session\_start();

$host = 'localhost';

$dbname = 'users';

$username = 'root'; // your database username

$password = ''; // your database password

$conn = new mysqli($host, $username, $password, $dbname);

if ($conn->connect\_error) {

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

}

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

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

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

// Fetch user from the database

$stmt = $conn->prepare("SELECT id, password FROM users WHERE username = ?");

$stmt->bind\_param('s', $username);

$stmt->execute();

$stmt->store\_result();

$stmt->bind\_result($id, $hashed\_password);

$stmt->fetch();

if ($stmt->num\_rows > 0 && password\_verify($password, $hashed\_password)) {

// Password is correct, start a session

$\_SESSION['user\_id'] = $id;

$\_SESSION['username'] = $username;

echo "Login successful!";

} else {

echo "Invalid username or password!";

}

$stmt->close();

}

$conn->close();

?>

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

<label>Username:</label>

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

<label>Password:</label>

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

<button type="submit">Login</button>

</form>