

HTML

```
<!DOCTYPE html!>

<html>

<head>

<title>Student Registration Form</title>

</head>

<body>

<h1>Student Registration</h1>

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

<label for="full_name">Full Name:</label>

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

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

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

<label>Gender:</label><br>

<input type="radio" id="male" name="gender" value="male" required>

<label for="male">Male</label><br>

<input type="radio" id="female" name="gender" value="female" required>

<label for="female">Female</label><br><br>

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

</form>

</body>
```

</html/>



php?>

Assuming you have a MySQL database setup, establish a connection //

```
;"servername = "localhost$
```

```
;"username = "your_username$
```

```
;"password = "your_password$
```

```
;"dbname = "your_database_name$
```

```
;(conn = new mysqli($servername, $username, $password, $dbname$
```

```
 } (if ($conn->connect_error
```

```
;(die("Connection failed: " . $conn->connect_error
```

```
{
```

Get the form data //

```
;'full_name = $_POST['full_name$
```

```
;'email = $_POST['email$
```

```
;'gender = $_POST['gender$
```

Prepare and execute the SQL statement to insert data into the database //

```
,? ,?) stmt = $conn->prepare("INSERT INTO students (full_name, email, gender) VALUES$  
;("?
```

```
;(stmt->bind_param("sss", $full_name, $email, $gender$
```

```
;)stmt->execute$
```

Close the database connection //

```
;)stmt->close$
```

```
;)conn->close$
```

php?>

```
;"servername = "localhost$
```

```
;"username = "your_username$
```

```
;"password = "your_password$
```

```
;"dbname = "your_database_name$
```

Create a connection //

```
;(conn = new mysqli($servername, $username, $password$
```

Check connection //

```
} (if ($conn->connect_error
```

```
;(die("Connection failed: " . $conn->connect_error
```

```
{
```

Create the database if it doesn't exist //

```
;"sql = "CREATE DATABASE IF NOT EXISTS $dbname$
```

```
} (if ($conn->query($sql) === false
```

```
;(die("Error creating database: " . $conn->error
```

```
{
```

Select the database //

```
;(conn->select_db($dbname$
```

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

```
) sql = "CREATE TABLE IF NOT EXISTS students$
```

```
,id INT(6) UNSIGNED AUTO_INCREMENT PRIMARY KEY

        ,full_name VARCHAR(255) NOT NULL

        ,email VARCHAR(255) NOT NULL

gender ENUM('Male', 'Female') NOT NULL

        ;"(

        } (if ($conn->query($sql) === false

;(die("Error creating table: " . $conn->error

        {

;".echo "Table 'students' created successfully

        ;()conn->close$

        <?
```

Redirect the user back to the registration form or to a thank you page //

```
;"header("Location: registration_success.php

;()exit

        <?
```

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When the user clicks the Submit button, use the POST method to send the form data to a :PHP script that performs the following actions

```
php?>

;"servername = "localhost$

;"username = "your_username$

;"password = "your_password$

;"dbname = "your_database_name$
```

```

Create a connection //
;(conn = new mysqli($servername, $username, $password, $dbname$

Check connection //
} (if ($conn->connect_error
;(die("Connection failed: " . $conn->connect_error
{

Function to sanitize user input //
} (function sanitize($data
;(data = trim($data$
;(data = stripslashes($data$
;(data = htmlspecialchars($data$
;return $data
{

Validate and sanitize form data //
;[] = errors$
;" : ([ 'full_name = isset($_POST['full_name']) ? sanitize($_POST['full_name$
;" : ([ 'email = isset($_POST['email']) ? sanitize($_POST['email$
;" : [ 'gender = isset($_POST['gender']) ? $_POST['gender$

Perform validation //
} ((if (empty($full_name
;" .errors[] = "Full name is required$
{

```

```

    } ((if (empty($email
;".errors[] = "Email address is required$
} ((elseif (!filter_var($email, FILTER_VALIDATE_EMAIL {
;".errors[] = "Invalid email address$
{

    } ((if (empty($gender
;".errors[] = "Gender is required$
{

    If there are errors, display them //
    } ((if (!empty($errors
;".<echo "<h2>Error:</h2
;".<echo "<ul
} (foreach ($errors as $error
;".<echo "<li>$error</li
{
;".<echo "</ul
} else {

    Insert data into the database //

    sql = "INSERT INTO students (full_name, email, gender) VALUES ('$full_name', '$email', $
;".("$gender

    } (if ($conn->query($sql) === true
;".<echo "<h2>Success:</h2
;".<echo "<p>Data inserted successfully into the database.</p
} else {
;".<echo "<h2>Error:</h2

```

```
;"<echo "<p>Error inserting data into the database: " . $conn->error . "</p
```

```
{
```

```
{
```

```
;())conn->close$
```

```
<?
```