



# Chapter 3-part 1:Form Handling

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# HTML Form: POST Method

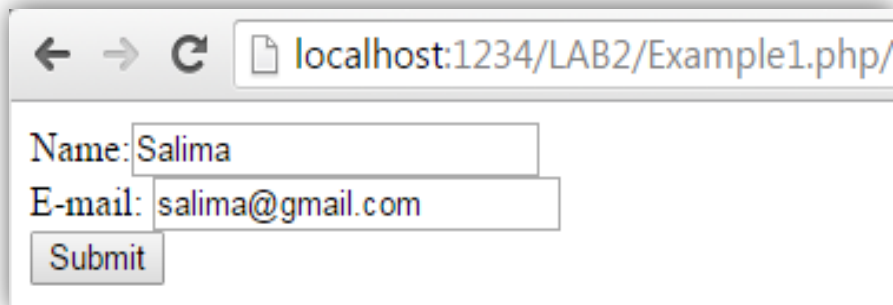
When the user fills out the form and clicks the submit button, the form data is sent for processing to a PHP file named "welcome.php".

```
<html>
<body>
<form action="welcome.php" method="post">
Name: <input type="text" name="name"><br/>
E-mail: <input type="text" name="email"><br/>
       <input type="submit">
</form>
</body>
</html>
```

# PHP File : \$\_POST [...]

```
<html>
<body>
    Welcome <?php echo $_POST["name"]; ?><br/>
    Your email is: <?php echo $_POST["email"]; ?>
</body>
</html>
```

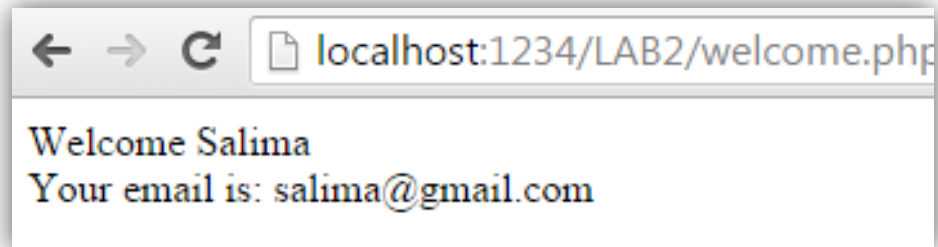
The output could be something like this:



← → ↻ 📄 localhost:1234/LAB2/Example1.php/

Name:

E-mail:



← → ↻ 📄 localhost:1234/LAB2/welcome.php

Welcome Salima  
Your email is: salima@gmail.com

# HTML Form: GET Method

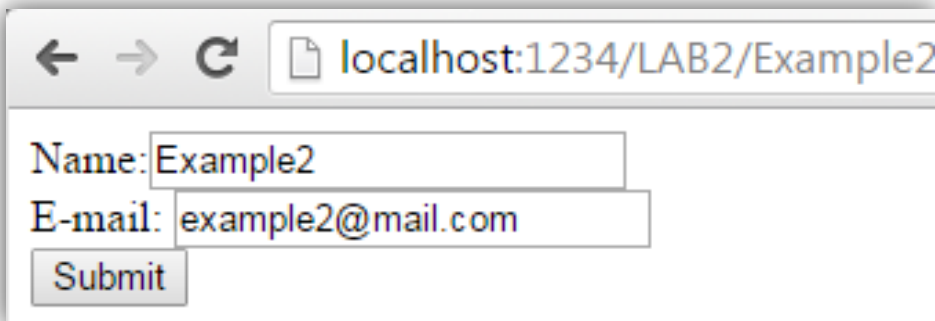
Same example as the previous form using a get method

```
<html>
<body>
<form action="welcome.php" method="get">
Name: <input type="text" name="name"><br/>
E-mail: <input type="text" name="email"><br/>
       <input type="submit">
</form>
</body>
</html>
```

# PHP File : \$\_GET [...]

```
<html>
<body>
    Welcome <?php echo $_GET["name"]; ?><br/>
    Your email is: <?php echo $_GET["email"]; ?>
</body>
</html>
```

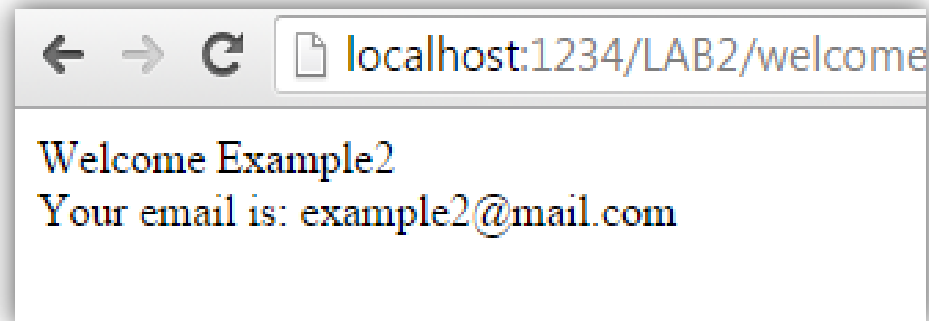
The output could be something like this:



← → ↻ localhost:1234/LAB2/Example2

Name:

E-mail:



← → ↻ localhost:1234/LAB2/welcome

Welcome Example2

Your email is: example2@mail.com

# GET vs. POST

Both **GET** and **POST** create an **array** that holds **key/value pairs**, where **keys** are the **names of the form controls** and **values** are the **input data** from the user.

Both **GET** and **POST** are treated as **\$\_GET** and **\$\_POST**, which are superglobals.

**\$\_GET** is an array of variables **passed** to the current script **via the URL parameters**.

**\$\_POST** is an array of variables **passed** to the current script **via the HTTP POST method**.

# When to use GET?

Information **sent from a form** with the **GET method** is **visible to everyone** (all variable names and values are displayed in the URL).

**GET** also has a **limitation of 2000 characters** to send.

**GET** may be used for **sending non-sensitive data**.

**Note:** **GET** should **NEVER be used** for sending **passwords** or other **sensitive information**!

# When to use POST?

Information sent from a form with the POST method is **invisible to others** (all names/values are embedded within the body of the HTTP request)

**POST** has **no limits** on the amount of information to send.

**POST** supports **advanced functionality** such as support for **multi-part binary input** while **uploading files to server**.



**Developers prefer POST for sending form data.**



# HTML Form Elements

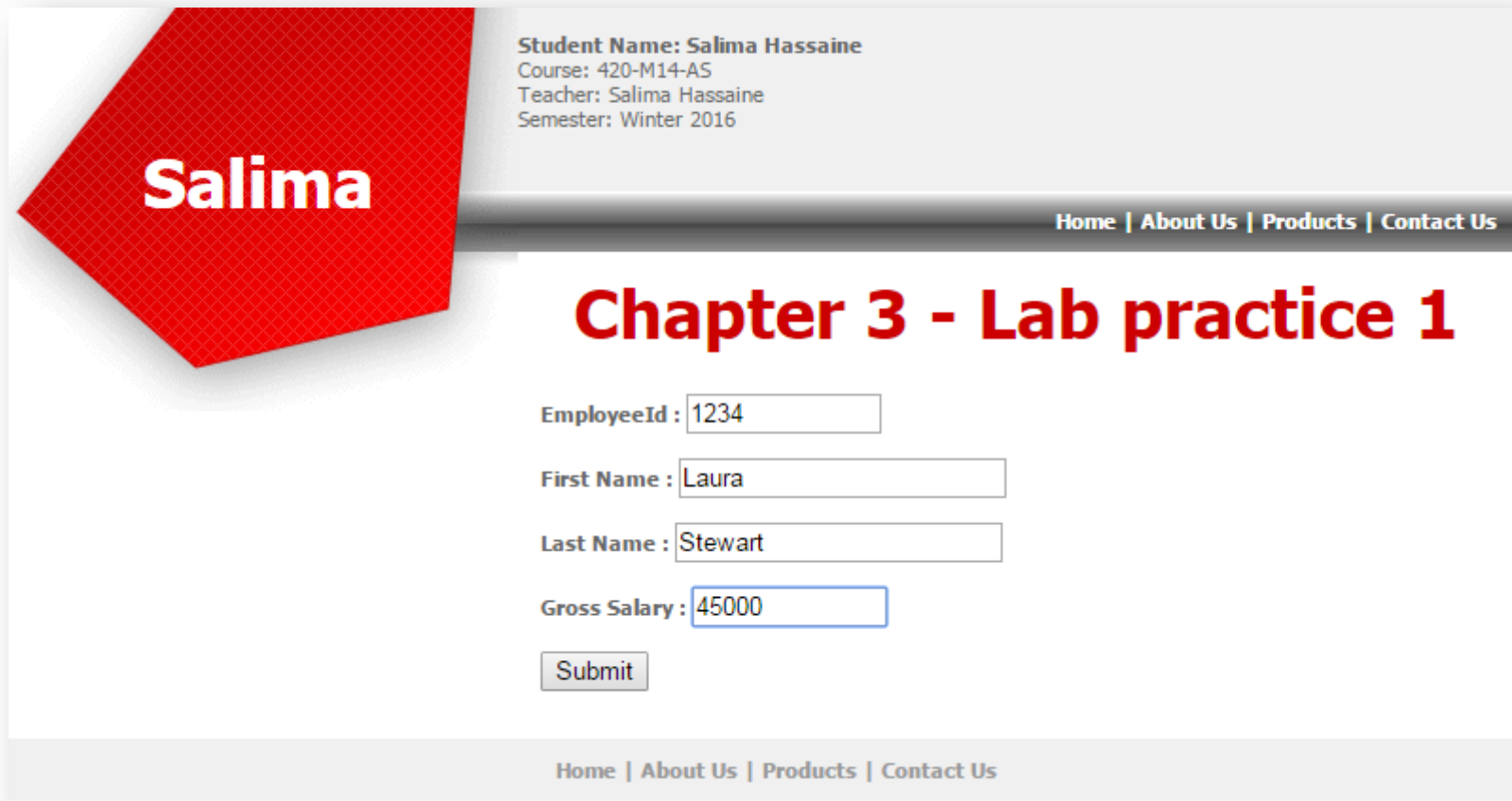
HTML Tag	Definition
<b>&lt;input&gt;</b>	specifies an input field, allows user to enter data.
<b>&lt;textarea&gt;</b>	defines a multi-line text input control.
<b>&lt;button&gt;</b>	defines a clickable button.
<b>&lt;select&gt;</b>	is used to create a drop-down list.
<b>&lt;option&gt;</b>	defines an option in a select list.
<b>&lt;fieldset&gt;</b>	used to group related elements in a form.
<b>&lt;label&gt;</b>	defines a label for an <input> element.

# Lab



# Exercise 1: Form (Data Entry)

Modify the file **Template.php** to include a **Form** that allows the users to enter the following data:



The screenshot shows a web application interface. On the left, there is a red hexagonal graphic with the name "Salima" in white. To its right, a light gray box contains the following text: "Student Name: Salima Hassaine", "Course: 420-M14-AS", "Teacher: Salima Hassaine", and "Semester: Winter 2016". Below this, a dark gray navigation bar contains the links "Home | About Us | Products | Contact Us". The main content area has a white background and features the title "Chapter 3 - Lab practice 1" in large red font. Below the title, there are four input fields: "EmployeeId : 1234", "First Name : Laura", "Last Name : Stewart", and "Gross Salary : 45000". A "Submit" button is located below the salary field. At the bottom of the page, another dark gray navigation bar contains the same links: "Home | About Us | Products | Contact Us".

Student Name: Salima Hassaine  
Course: 420-M14-AS  
Teacher: Salima Hassaine  
Semester: Winter 2016

Home | About Us | Products | Contact Us

## Chapter 3 - Lab practice 1

EmployeeId :

First Name :

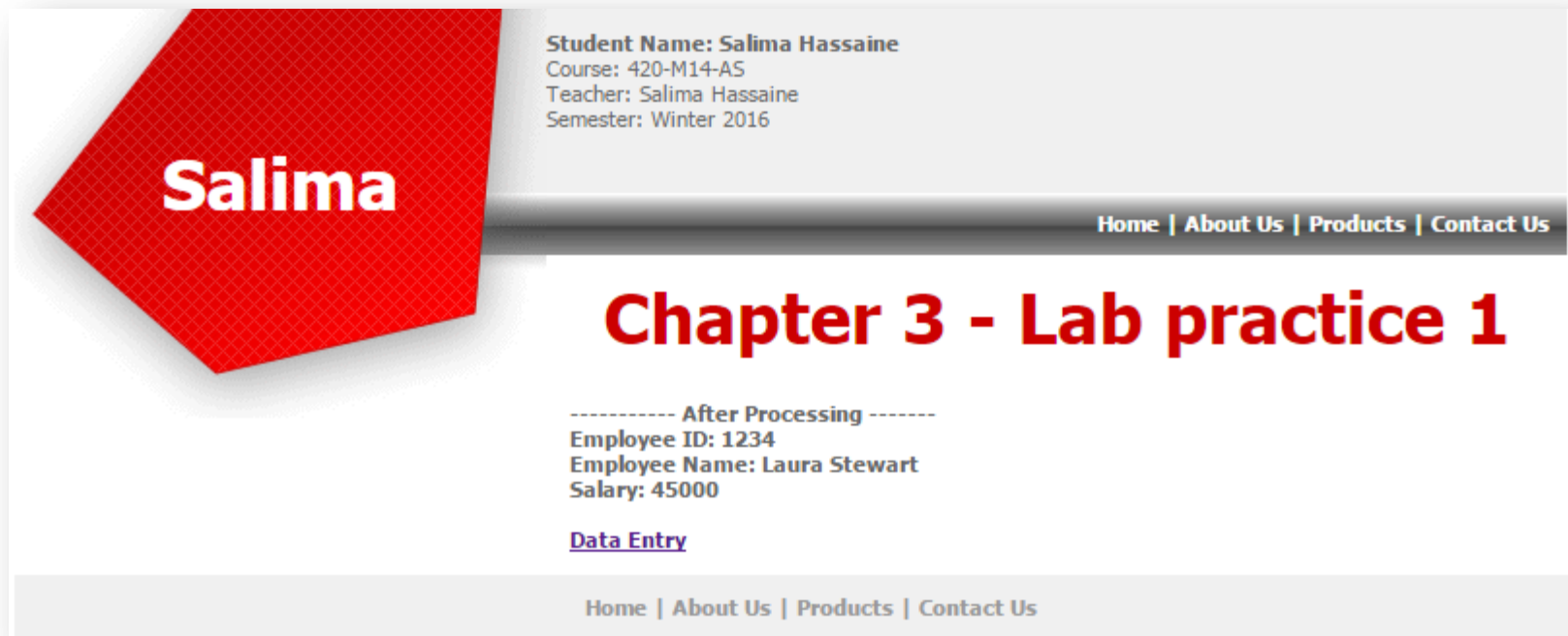
Last Name :

Gross Salary :

Home | About Us | Products | Contact Us

# Exercise 1: Form (Data Display)

After submitting the Form, the data is displayed on another page.



**Salima**

**Student Name: Salima Hassaine**  
Course: 420-M14-AS  
Teacher: Salima Hassaine  
Semester: Winter 2016

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## Chapter 3 - Lab practice 1

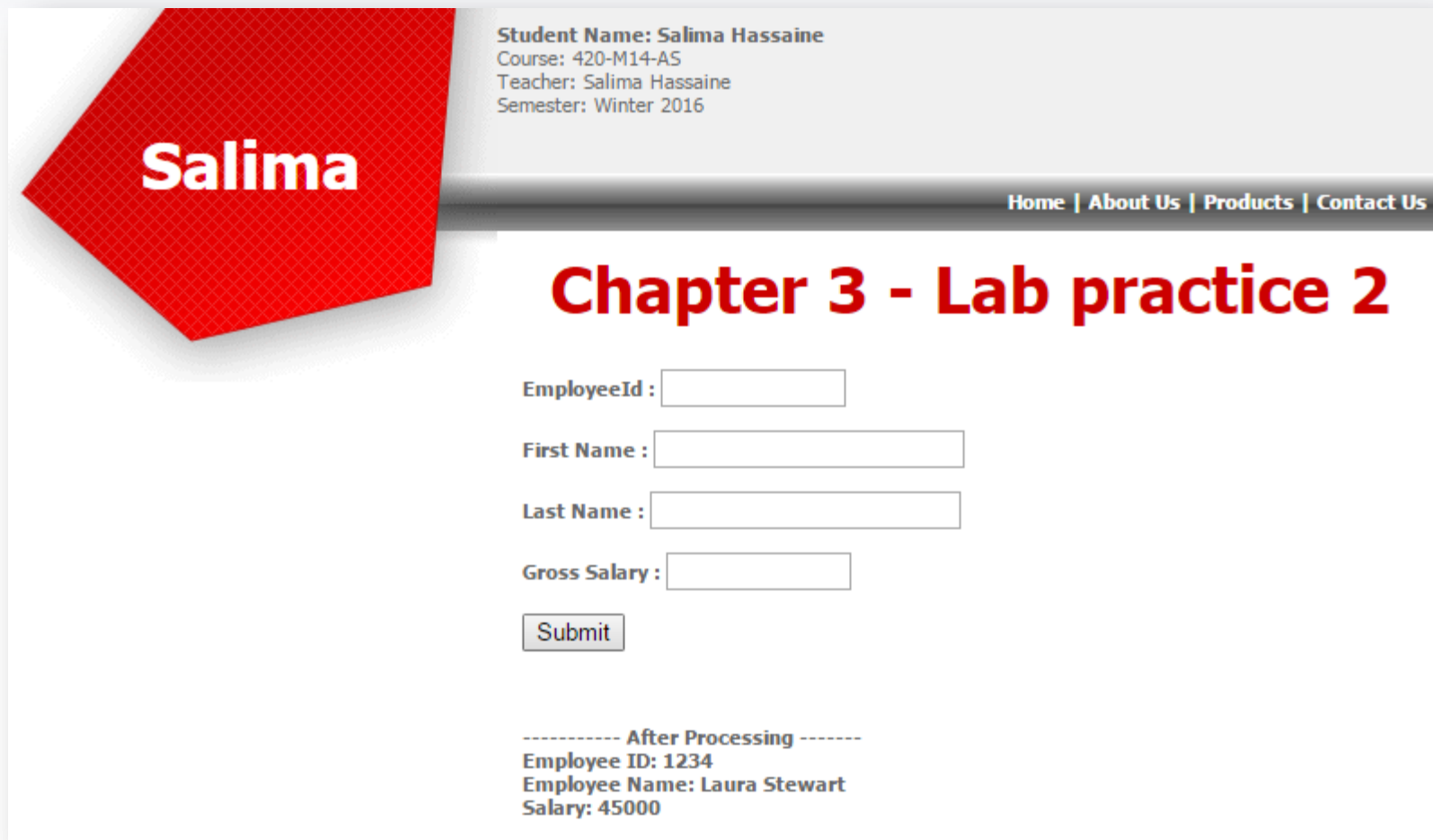
----- After Processing -----  
Employee ID: 1234  
Employee Name: Laura Stewart  
Salary: 45000

[Data Entry](#)

[Home](#) | [About Us](#) | [Products](#) | [Contact Us](#)

# Exercise 2: Form (Data Display)

In this case the data is displayed on the same page.



The screenshot shows a web application interface. On the left, a red hexagonal graphic contains the name 'Salima'. To its right, a grey box displays student information: 'Student Name: Salima Hassaine', 'Course: 420-M14-AS', 'Teacher: Salima Hassaine', and 'Semester: Winter 2016'. A navigation bar at the top right contains links: 'Home | About Us | Products | Contact Us'. The main content area is titled 'Chapter 3 - Lab practice 2' in red. Below the title is a form with four input fields: 'EmployeeId', 'First Name', 'Last Name', and 'Gross Salary'. A 'Submit' button is located below these fields. At the bottom, a section titled '----- After Processing -----' displays the results: 'Employee ID: 1234', 'Employee Name: Laura Stewart', and 'Salary: 45000'.

**Salima**

Student Name: Salima Hassaine  
Course: 420-M14-AS  
Teacher: Salima Hassaine  
Semester: Winter 2016

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## Chapter 3 - Lab practice 2

EmployeeId :

First Name :

Last Name :

Gross Salary :

----- After Processing -----  
Employee ID: 1234  
Employee Name: Laura Stewart  
Salary: 45000

# Questions?

