



Chapter 3-part 1:Form Handling

HTML Form: POST Method

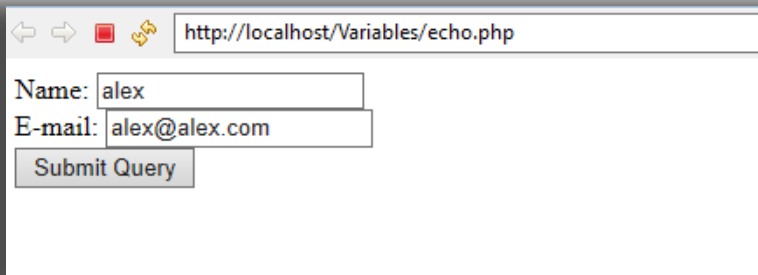
When the user fills out the form and clicks the submit button, the form data is sent for processing to a PHP file named "welcome.php".

```
<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>
```

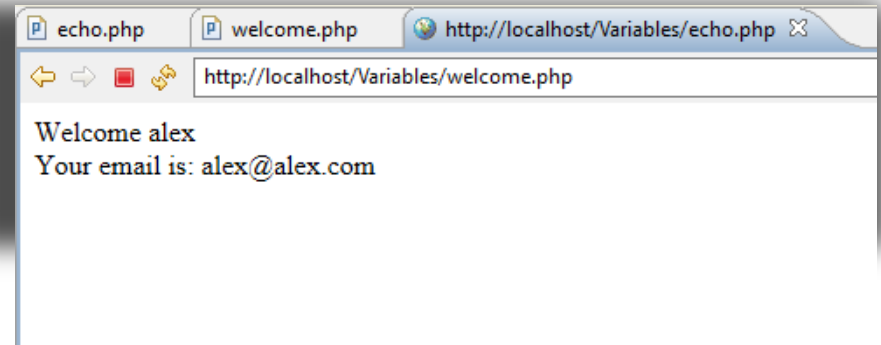
PHP File : \$_POST [...]

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

The output could be something like this:



A screenshot of a web browser window with the address bar showing `http://localhost/Variables/echo.php`. The page contains a form with two input fields: "Name:" with the value "alex" and "E-mail:" with the value "alex@alex.com". Below the fields is a "Submit Query" button.



HTML Form: GET Method

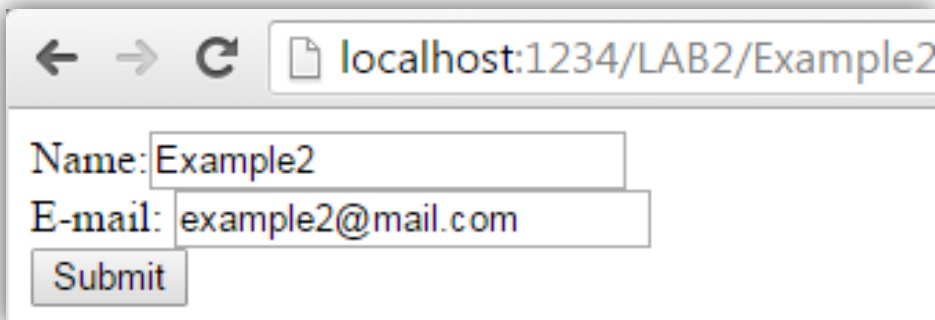
Same example as the previous form using a get method

```
<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>
```

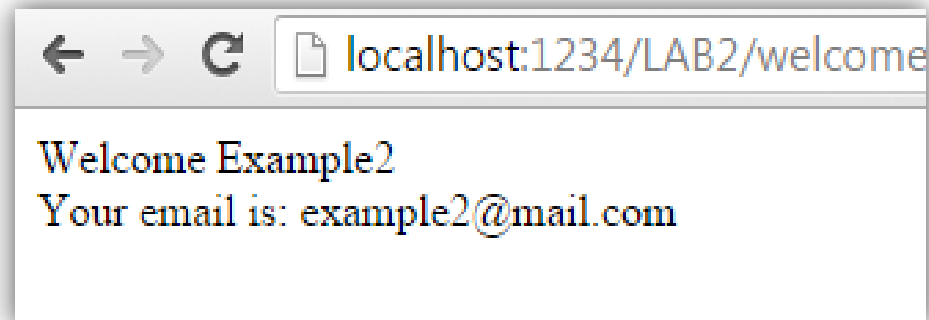
The output could be something like this:



← → ↻ 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

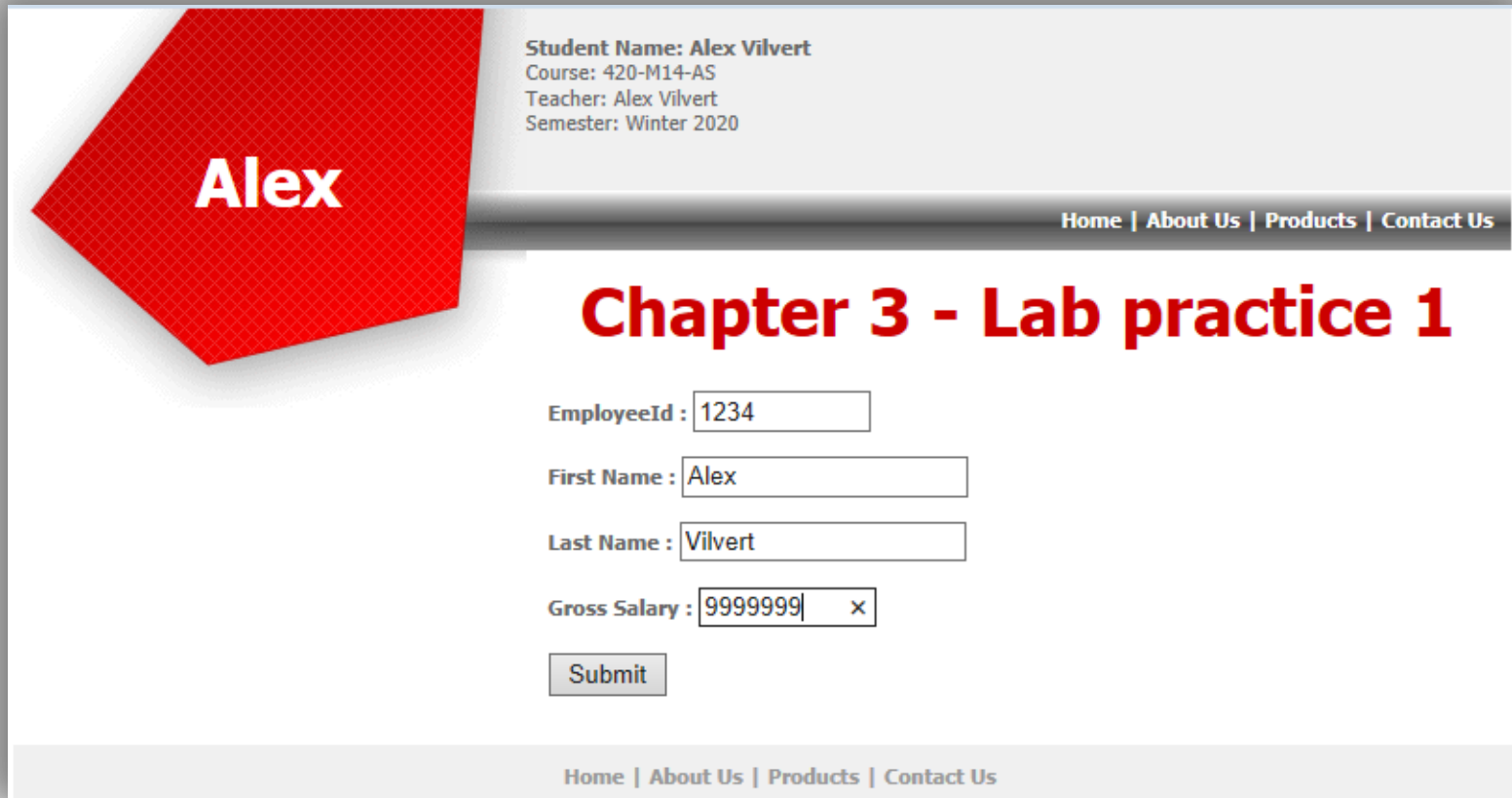
HTML Tag	Definition
<input>	specifies an input field, allows user to enter data.
<textarea>	defines a multi-line text input control.
<button>	defines a clickable button.
<select>	is used to create a drop-down list.
<option>	defines an option in a select list.
<fieldset>	used to group related elements in a form.
<label>	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 form with a header, a navigation bar, a main content area, and a footer. On the left side of the header, there is a red hexagonal graphic with the name "Alex" in white. To the right of this graphic, the following text is displayed: "Student Name: Alex Vilvert", "Course: 420-M14-AS", "Teacher: Alex Vilvert", and "Semester: Winter 2020". The navigation bar contains the links "Home | About Us | Products | Contact Us". The main content area features the title "Chapter 3 - Lab practice 1" in red. Below the title, there are four input fields: "EmployeeId : 1234", "First Name : Alex", "Last Name : Vilvert", and "Gross Salary : 9999999". A "Submit" button is located below the input fields. The footer also contains the links "Home | About Us | Products | Contact Us".

Alex

Student Name: Alex Vilvert
Course: 420-M14-AS
Teacher: Alex Vilvert
Semester: Winter 2020

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Chapter 3 - Lab practice 1

EmployeeId :

First Name :

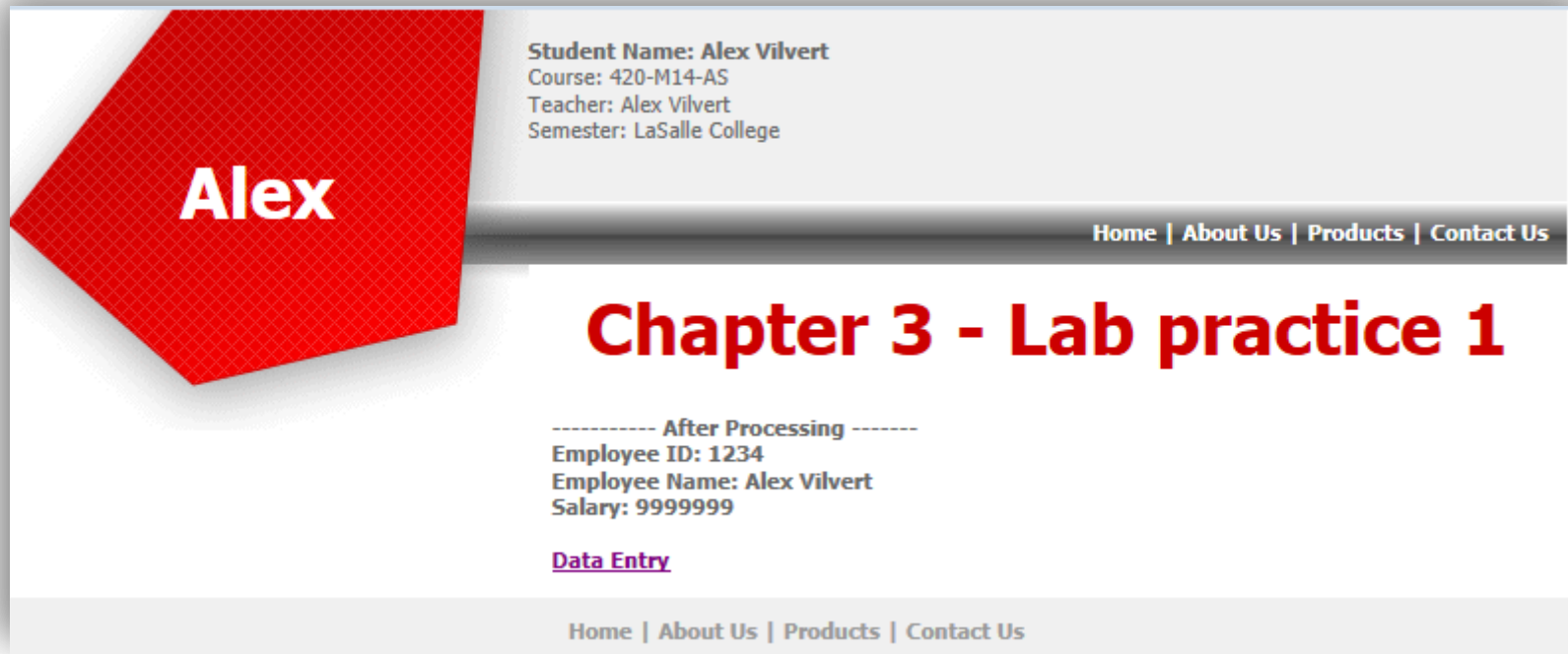
Last Name :

Gross Salary :

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Exercise 1: Form (Data Display)

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



Alex

Student Name: Alex Vilvert
Course: 420-M14-AS
Teacher: Alex Vilvert
Semester: LaSalle College

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Chapter 3 - Lab practice 1

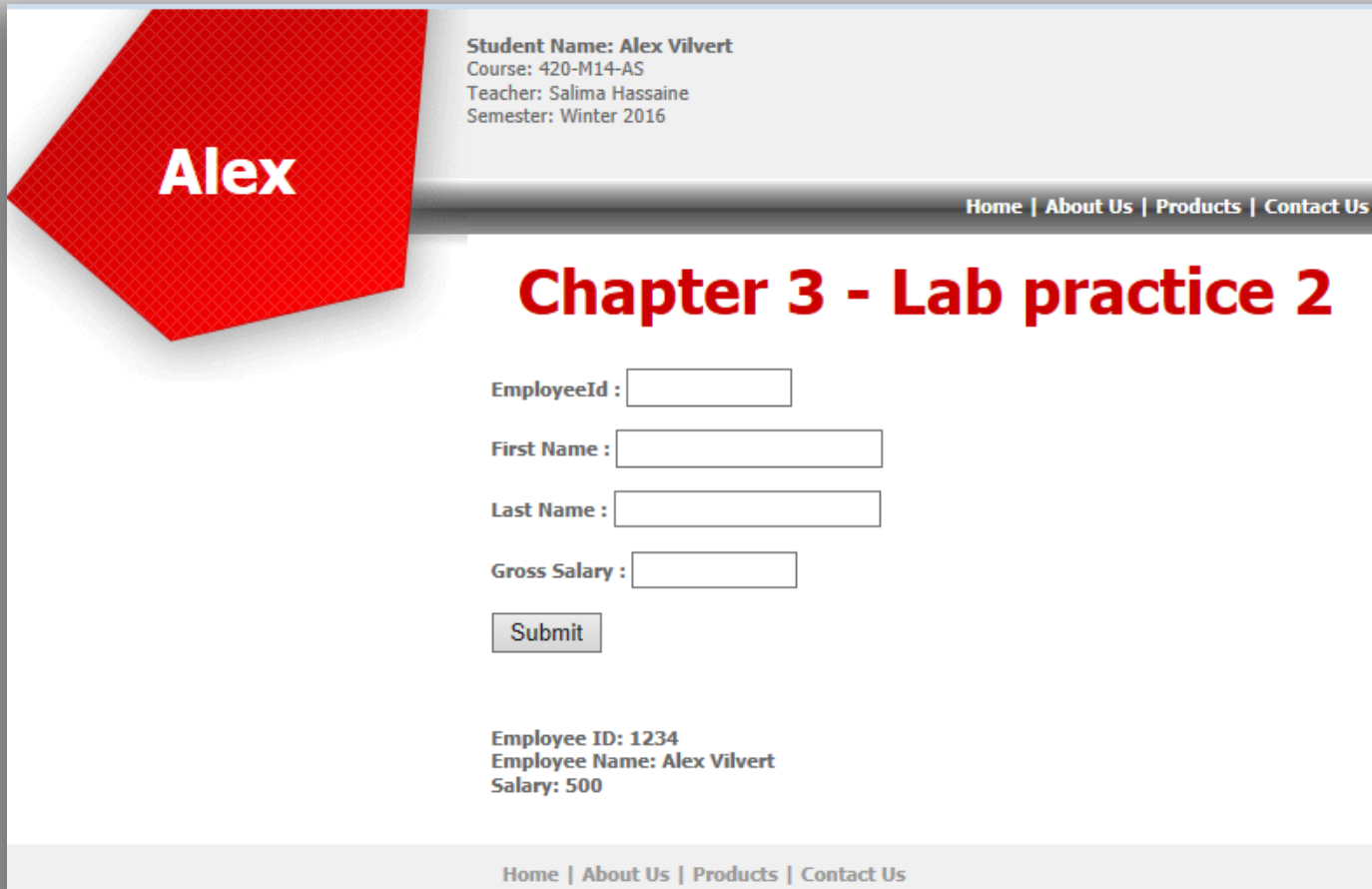
----- After Processing -----
Employee ID: 1234
Employee Name: Alex Vilvert
Salary: 9999999

[Data Entry](#)

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Exercise 2: Form (Data Display)

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



Alex

Student Name: Alex Vilvert
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 :

Employee ID: 1234
Employee Name: Alex Vilvert
Salary: 500

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