

Chapter 3-part 3: Required Fields

Example

PHP Form Validation Example			
* required field.			
Name: *			
E-mail:			
Website:			
Comment:			
Gender: © Female © Male *			
Submit			
Your Input:			

Example: Validation Rules

The validation rules for the previous form are:

Field	Validation Rules
Name	Required. + Must only contain letters and whitespace
E-mail	Required. + Must contain a valid email address (with @ and .)
Website	Optional. If present, it must contain a valid URL
Comment	Optional. Multi-line input field (textarea)
Gender	Required. Must select one

Example: Make the Fields Required

```
<?php
// define variables and set to empty values
$nameErr = $emailErr = $genderErr = "";
$name = $email = $gender = "";
if ($_SERVER["REQUEST_METHOD"] == "POST") {
      if (empty($_POST["name"])) {
            $nameErr = "Name is required";
      } else {
            $name = test_input($_POST["name"]);
```

Example (.. Continued)

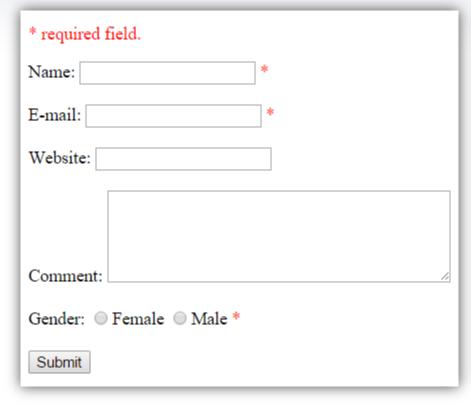
```
if (empty($_POST["email"])) {
      $emailErr = "Email is required";
} else {
      $email = test_input($_POST["email"]);
if (empty($_POST["gender"])) {
      $genderErr = "Gender is required";
} else {
      $gender = test_input($_POST["gender"]);
```

Example : Display The Error Messages

```
<form method="post" action="<?php</pre>
echo htmlspecialchars($_SERVER["PHP_SELF"]);?>" >
Name: <input type="text" name="name">
< font color =#FF0000 >* <?php echo $nameErr;?></font><br/>
E-mail: <input type="text" name="email"><br/>
< font color =#FF0000 >* <?php echo $emailErr;?></ font ><br/>
Website: <input type="text" name="website"><br/>
Comment: <textarea name="comment" rows="5" cols="40">
          </textarea> <br/>
Gender:
<input type="radio" name="gender" value="female">Female
<input type="radio" name="gender" value="male">Male
< font color =#FF0000 >* <?php echo $genErr;?></ font ><br/>
<input type="submit"></form>
```

Example: Output

Before Form Submission After Form Submission



* required field.		
Name:	* Name is required	
E-mail:	* Email is required	
Website:		
Comment:		
Gender: Female Male * Gender is required		
Submit		

Lab

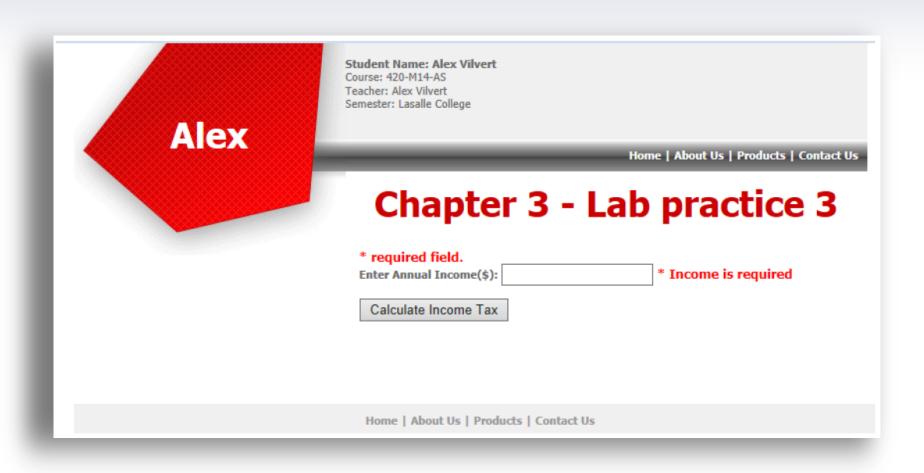


Exercise 3: Form (Data Entry & Validation)

- 1. Modify the file **Template.php**, rename it to **Lab3-Ex3- DataEntry.php**, and write html **Form** that allows the users to enter their annual salary.
- 2. In a separate file (Lab3-Ex3-DataValidation.php) write a php program that validates the data input (Form) and defines a function that calculates IncomeTax (Switch or IF Statements)
- 3. Display the calculated **taxes** and **net Salary**, **in the main file** (as separate division). Do not forget to include your 2nd php file.

Taxable income	Rate
\$42,390 or less	16%
More than \$42,390, but not more than \$84,780	20%
More than \$84,780, but not more than \$103,150	24%
More than \$103,150	25.75%

Exercise 3: Input Data Validation



Exercise 3: Output of Results (on the same page)



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Chapter 3 - Lab practice 3

* required field.	
Enter Annual Income(\$):	
Calculate Income Tax	
Calculate income Tax	

Gross Annual Salary is 5000 Your Annual Taxes are 800 Your Net Salary is 4200



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Chapter 3 - Lab practice 4

Select a Number: 1 💙

Get Multiplication Table

Operation	Resul
6 X 1 =	6
6 X 2 =	12
6 X 3 =	18
6 X 4 =	24
6 X 5 =	30
6 X 6 =	36
6 X 7 =	42
6 X 8 =	48
6 X 9 =	54
6 X 10 =	60