



Chapter 3-part 3: Required Fields

Example

PHP Form Validation Example

* required field.

Name: *

E-mail: *

Website:

Comment:

Gender: ☐ Female ☐ Male *

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  
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">


```
< font color =#FF0000 >* <?php echo $emailErr;?></ font ><br/>
```

Website: <input type="text" name="website">


```
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

* required field.

Name: *

E-mail: *

Website:

Comment:

Gender: ☐ Female ☐ Male *

After Form Submission

* required field.

Name: * Name is required

E-mail: * Email is required

Website:

Comment:

Gender: ☐ Female ☐ Male * Gender is required

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



Alex

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


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*** required field.**
Enter Annual Income(\$): *** Income is required**

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



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*** required field.**

Enter Annual Income(\$): *

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: ▼

Get Multiplication Table

Operation	Result
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