

PHP if...else...elseif Statements

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Conditional statements are used to perform different actions based on different conditions.

PHP Conditional Statements

Very often when you write code, you want to perform different actions for different conditions. You can use conditional statements in your code to do this.

In PHP we have the following conditional statements:

- `if` statement - executes some code if one condition is true
- `if...else` statement - executes some code if a condition is true and another code if that condition is false
- `if...elseif...else` statement - executes different codes for more than two conditions
- `switch` statement - selects one of many blocks of code to be executed

PHP - The if Statement

The `if` statement executes some code if one condition is true.

Syntax

```
if (condition) {  
    code to be executed if condition is true;  
}
```

Example

Output "Have a good day!" if the current time (HOUR) is less than 20:

```
<?php  
$t = date("H");  
  
if ($t < "20") {  
    echo "Have a good day!";  
}  
?>
```

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PHP - The if...else Statement

The `if...else` statement executes some code if a condition is true and another code if that condition is false.

Syntax

```
if (condition) {  
    code to be executed if condition is true;  
} else {  
    code to be executed if condition is false;  
}
```

Example

Output "Have a good day!" if the current time is less than 20, and "Have a good night!" otherwise:

```
<?php  
$t = date("H");  
  
if ($t < "20") {  
    echo "Have a good day!";  
} else {  
    echo "Have a good night!";  
}  
?>
```

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PHP - The if...elseif...else Statement

The `if...elseif...else` statement executes different codes for more than two conditions.

Syntax

```
if (condition) {  
    code to be executed if this condition is true;  
} elseif (condition) {  
    code to be executed if first condition is false and this condition is true;  
} else {  
    code to be executed if all conditions are false;  
}
```

Example

Output "Have a good morning!" if the current time is less than 10, and "Have a good day!" if the current time is less than 20. Otherwise it will output "Have a good night!":

```
<?php
$t = date("H");

if ($t < "10") {
    echo "Have a good morning!";
} elseif ($t < "20") {
    echo "Have a good day!";
} else {
    echo "Have a good night!";
}
?>
```

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PHP - The switch Statement

The `switch` statement will be explained in the next chapter.

PHP Exercises

Test Yourself With Exercises

Exercise:

Output "Hello World" if \$a is greater than \$b.

```
$a = 50;
$b = 10;
  >  {
    echo "Hello World";
}
```

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