

# 7. PHP – Decision Making

The if, elseif ...else and switch statements are used to take decision based on the different condition.

You can use conditional statements in your code to make your decisions. PHP supports the following three decision making statements:

- **if...else statement** - use this statement if you want to execute a set of code when a condition is true and another if the condition is not true
- **elseif statement** - is used with the if...else statement to execute a set of code if **one** of several condition are true
- **switch statement** - is used if you want to select one of many blocks of code to be executed, use the Switch statement. The switch statement is used to avoid long blocks of if..elseif..else code.

## The If. .Else Statement

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If you want to execute some code if a condition is true and another code if a condition is false, use the if....else statement.

### Syntax

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

### Example

The following example will output "Have a nice weekend!" if the current day is Friday, otherwise it will output "Have a nice day!":

```
<html>
<body>
    <?php
$d=date("D");
if ($d=="Fri")
    echo "Have a nice weekend!";
else
    echo "Have a nice day!";
?>
```

```
</body>

</html>
```

It will produce the following result:

Have a nice weekend!

## The Elself Statement

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If you want to execute some code if one of the several conditions is true, then use the elseif statement.

### Syntax

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

### Example

The following example will output "Have a nice weekend!" if the current day is Friday, and "Have a nice Sunday!" if the current day is Sunday. Otherwise it will output "Have a nice day!":

```
<html>
<body>
    <?php
    $d=date("D");
    if ($d=="Fri")
        echo "Have a nice weekend!";
```

```
elseif ($d=="Sun")
    echo "Have a nice Sunday!";
else
    echo "Have a nice day!";
?>
</body>
</html>
```

It will produce the following result:

Have a nice weekend!

## The Switch Statement

If you want to select one of many blocks of code to be executed, use the Switch statement. The switch statement is used to avoid long blocks of if..elseif..else code.

### Syntax

```
switch (expression)
{
case label1:
    code to be executed if expression = label1;
    break;
case label2:
    code to be executed if expression = label2;
    break;
default:
    code to be executed
    if expression is different
    from both label1 and label2;
}
```

### Example

The *switch* statement works in an unusual way. First it evaluates the given expression, then seeks a label to match the resulting value. If a matching value is found, then the code associated with the matching label will be executed. If none of the labels match, then the statement will execute any specified default code.

```
<html>
<body>
    <?php
$d=date("D");
switch ($d)
{
case "Mon":
    echo "Today is Monday";
    break;
case "Tue":
    echo "Today is Tuesday";
    break;
case "Wed":
    echo "Today is Wednesday";
    break;
case "Thu":
    echo "Today is Thursday";
    break;
case "Fri":
    echo "Today is Friday";
    break;
case "Sat":
    echo "Today is Saturday";
    break;
case "Sun":
    echo "Today is Sunday";
    break;
default:
    echo "Wonder which day is this ?";
}
?>
</body>
</html>
```

It will produce the following result:

Today is Friday

