

Lesson: 06 (PHP Statement & Loop)

if...elseif....else Statement:

if....elseif...else statement use to select one of several blocks of code to be executed.

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;
}
```

Note: Example One

Switch Statement:

switch statement use to select one of many blocks of code to be executed.

Syntax:

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

Note: Example Two

Loop

Loops execute a block of code a specified number of times, or while a specified condition is true.

Loop statements:

- **for** - loops through a block of code a specified number of times
- **foreach** - loops through a block of code for each element in an array
- **while** - loops through a block of code while a specified condition is true
- **do...while** - loops through a block of code once, and then repeats the loop as long as a specified condition is true

for Loop: for loop is used when you know in advance how many times the script should run.

Syntax:

```
for (init; condition; increment)
{
    code to be executed;
}
```

Parameters:

- **init:** Mostly used to set a counter (but can be any code to be executed once at the beginning of the loop)
- **condition:** Evaluated for each loop iteration. If it evaluates to TRUE, the loop continues. If it evaluates to FALSE, the loop ends.
- **increment:** Mostly used to increment a counter (but can be any code to be executed at the end of the loop)

Note: Example Three

foreach Loop:

foreach loop is used to loop through arrays.

Syntax:

```
foreach ($array as $value)
{
    code to be executed;
}
```

Note: Example Four

while Loop:

while loop executes a block of code while a condition is true.

Syntax:

```
while (condition)
{
    code to be executed;
}
```

Note: Example Five

do...while Statement:

do...while statement will always execute the block of code once, it will then check the condition, and repeat the loop while the condition is true.

Syntax:

```
do
{
    code to be executed;
}
while (condition);
```

Note: Example Six

<pre><!--Example One--> <html> <head> </head> <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></pre>	<pre><!--Example Two--> <html> <head> </head> <body> <?php \$x=8; switch (\$x) { case 1: echo "Number 1"; break; case 2: echo "Number 2"; break; case 3: echo "Number 3"; break; default:</pre>
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	<pre>echo "No number between 1 and 3"; } ?> </body> </html></pre>
<pre><!--Example Three--> <html> <head> </head> <body> <?php for (\$i=1; \$i<=5; \$i++) { echo "The number is " . \$i . "
"; } ?> </body> </html></pre>	<pre><!--Example Four--> <html> <head> </head> <body> <?php \$x=array("one","two","three"); foreach (\$x as \$value) { echo \$value . "
"; } ?> </body> </html></pre>
<pre><!--Example Five--> <html> <body> <?php \$i=1; while(\$i<=5) { echo "The number is " . \$i . "
"; \$i++; } ?> </body> </html></pre>	<pre><!--Example Six--> <html> <body> <?php \$i=1; do { \$i++; echo "The number is " . \$i . "
"; } while (\$i<=5); ?> </body> </html></pre>