



Control Statement

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01

PHP If Else



PHP If Statement

- PHP if statement allows conditional execution of code. It is executed if condition is true.
- If statement is used to executes the block of code exist inside the if statement only if the specified condition is true

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;  
}
```



02

PHP Switch



PHP switch statement

PHP switch statement is used to execute one statement from multiple conditions.

It works like PHP if-else-if statement.

Syntax

```
switch(expression){  
  
  case value1:  
    //code to be executed  
    break;  
  
  case value2:  
    //code to be executed  
    break;  
  .....  
  
  default:  
    //code to be executed if all cases are not  
    matched;  
}
```


notice

1. The **default** is an optional statement. Even it is not important, that **default** must always be the last statement.
2. There can be only one default in a switch statement. More than one default may lead to a Fatal error.
3. Each case can have a break statement, which is used to terminate the sequence of statement.
4. The break statement is optional to use in switch. If break is not used, all the statements will execute after finding matched case value.
5. PHP allows you to use number, character, string, as well as functions in switch expression.



03

PHP For Loop



PHP For Loop

PHP for loop can be used to traverse set of code for the specified number of times.

It should be used if the number of iterations is known otherwise use while loop. This means for loop is used when you already know how many times you want to execute a block of code.

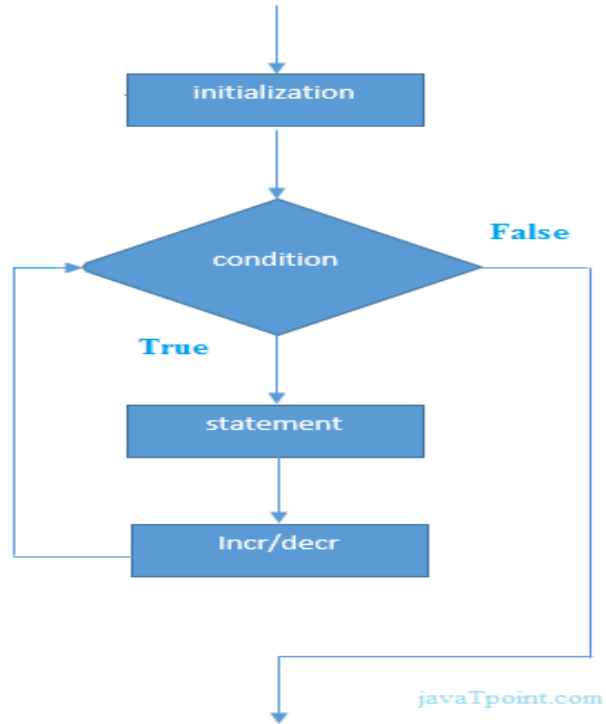
Syntax

```
for  
(  
  
    initialization;condition;inc/dec  
  
)  
  
{  
  
    //code to be executed  
  
}
```

PHP For Loop – Parameters

1. **initialization** : Initialize the loop counter value. The initial value of the for loop is done only once. This parameter is optional.
2. **condition** : Evaluate each iteration value. The loop continuously executes until the condition is false. If TRUE, the loop execution continues, otherwise the execution of the loop ends.
3. **Increment/decrement** : It increments or decrements the value of the variable.

PHP For Loop





PHP foreach loop

The foreach loop is used to traverse the array elements. It works only on array and object. It will issue an error if you try to use it with the variables of different datatype.

The foreach loop works on elements basis rather than index. It provides an easiest way to iterate the elements of an array


Syntax

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




04

PHP While Loop



PHP While Loop

- PHP while loop can be used to traverse set of code like for loop. The while loop executes a block of code repeatedly until the condition is FALSE. Once the condition gets FALSE, it exits from the body of loop.
- It should be used if the number of iterations is not known.

Syntax

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

PHP do-while loop

1. PHP do-while loop can be used to traverse set of code like php while loop. The PHP do-while loop is guaranteed to run at least once.
2. The PHP do-while loop is used to execute a set of code of the program several times. If you have to execute the loop at least once and the number of iterations is not even fixed, it is recommended to use the do-while loop.
3. It executes the code at least one time always because the condition is checked after executing the code.
4. The do-while loop is very much similar to the while loop except the condition check. The main difference between both loops is that while loop checks the condition at the beginning, whereas do-while loop checks the condition at the end of the loop.

Syntax

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

Difference between while and do-while loop

while Loop	do-while loop
The while loop is also named as entry control loop .	The do-while loop is also named as exit control loop .
The body of the loop does not execute if the condition is false.	The body of the loop executes at least once, even if the condition is false.
Condition checks first, and then block of statements executes.	Block of statements executes first and then condition checks.
This loop does not use a semicolon to terminate the loop.	Do-while loop use semicolon to terminate the loop.

THANKS !



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