# PHP For Loop

**Topics :** PHP
**Written on** January 07, 2021

PHP For Loop is Control Statement which can be used to run block of code for the specified number of times.

**Syntax:**
```
for(Initialization; Condition; Increment/Decrement){
    //code to be executed for For Loop
}
```

**Parameters:**
   1. Initialization => Initialize the loop counter value
   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 loop counter value.

**Example :**
```
<?php
    for ($i = 0; $i <= 5; $i++) {
      echo "The number is: $i <br>";
    }
?>
```
   where $i = 0 - counter starts value at 0.
        $i <= 5 - Loop will be executed until conter will reach at value 5.
        $i++ - Conter value will be incremented  by value 1.

**Output:**
```
The number is: 1
The number is: 2
The number is: 3
The number is: 4
The number is: 5
```

### PHP Nested For Loop :
If For loop inside for loop in PHP, it is called as nested for loop. The inner for loop executes only when the outer for loop condition is true.
 Example : Displays a pyramid of stars.
```
<?
for($i=0;$i<=6;$i++)
{

   for($j=0;$j<=$i;$j++)
   {
      echo(" * ");
```

```
      }
      echo("<br />");

   }
?>
```

**Outputs :**

```
*
* *
* * *
* * * *
* * * * *
* * * * * *
* * * * * * *
```

**Output :**