

PHP oops - Constructor

Topics : [PHP](#)

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What is PHP oops - Constructor?

A constructor is a method defined inside a class which is called automatically when object is created.

A constructor is used to initialize the object.

You can define constructor by using `__construct` function.

A Constructor is automatically executed when object is Created.

Constructor have arguments.

A constructor doesn't return any value.

PHP doesn't support function overloading So, we cannot have multiple implementations for constructor in a class.

Constructor types:

There are three type of constructor.

1. **Default Constructor:** It doesn't have parameters, but the values to the default constructor can be passed dynamically.
2. **Parameterized Constructor:** It has many number of parameters.
3. **Copy Constructor:** It accepts the address of the other objects as a parameter.

PHP Syntax:

```
function __construct ([ mixed $args = "" [, $... ] ] )
```

PHP Example :

```
<?php
// code by aryatechno!
class Course
{
    function __construct()
    {
        echo "Learn php Course at aryatechno!";
    }
}
```

```
}  
  
$learn = new Course;  
  
?>
```

Output:

Learn php Course at aryatechno!

Explanation : As above example , When \$learn object is created, Constructor is called automatically.

Constructor with arguments

Constructor can pass arguments as per as below example.

PHP Example :

```
<?php  
// code by aryatechno!  
class Course  
{  
    public $name;  
    function __construct($name)  
    {  
        $this->name=$name;  
    }  
    function display()  
    {  
        echo "Learn $this->name at aryatechno!";  
    }  
}  
  
$learn = new Course("PHP Constructor");  
$learn->display();  
?>
```

Output:

Learn PHP Constructor at aryatechno!

Output :