PHP oops - Constructor

Topics : PHP
Written on February 12, 2021

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

```
}

$learn = new Course;

?>
```

Output:
Learn php Course at aryatechno!

Explaination : 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
<?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 :