

PHP 5 TUTORIAL PDF

pTutorial

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Note: If you willing to learn more, PHP 5 tutorial and PHP 5 example with complete explanation please visit website

<http://www.ptutorial.com>

PHP 5 Tutorial Introduction

PHP Object Oriented Programming

Object oriented Programming is a kind of Programming approach in which programmer defines not only the data type of data structure, but also defines the types of operation that can be applied to the data structure. That makes building complex modular and reusable application easily.

PHP Object Oriented Strategy Offers Mainly These Advantages:-

1. **Easier to understand:** Object oriented approach makes it possible to think of programs in terms Of everyday objects.
2. **Reusability:** You frequently need the same types of data in different places in the same application. For example a school management application that manages the student's details, attendance, result and others.
3. **Improved reliability:** Object Oriented code is easily expanded and modified.
4. **Easy to maintenance:** Object oriented code is easier to maintain because it follows somewhat strict coding conventions and is written in a self-explanatory format.

PHP And OOP

PHP offers general object-oriented features, it is not yet a full-featured Object oriented Programming language, like Java.

Unlike OOP, PHP Does Not Explicitly Offer The Following Object-Oriented Characteristics:-

- ✓ Multiple inheritance
- ✓ Constructor chaining
- ✓ Class abstraction
- ✓ Method overloading
- ✓ Destructor
- ✓ Polymorphism

Note:-

PHP has added some **Object Oriented Programming** features and Object Oriented Programming became possible with PHP 4. With the introduction of **PHP 5**.

PHP 5 Classes

PHP Class

A class is a unit of code that describes the characteristics and behaviours of something, or of the group of things. A class called Car, for example, would describe the characteristics and behaviours common to all cars.

PHP Data Member

Data members are also variable but difference is that they are in encapsulated form.

PHP Property

A property is a variable inside the class which can contain some information. Like Name is the property of student class.

PHP Method

Methods are functions inside the body of class, methods can also be accessible by those three types of users.

Note: - It is a convention that the name of the function or method will start with a small letter and then the rest is camel case.

Creation Of PHP Classes

PHP Class

Classes and objects are easy to create in PHP. A class contains both properties and methods. There are no rules about the order in which they should appear first in the class.

Rule

To create a class, you use PHP's **class** keyword.

PHP class syntax

```
class class_name{  
  
    Properties  
  
    Methods  
  
}
```

PHP Properties Declaration

To add a property to a class, first write the keyword **public**, **private** or **protected** depending on the visibility level you want to give to the property.

Property Declaration Example

```
class Computer
{
public $user_name; // This is a public property

private $password; // This is a private property

}
```

PHP Access Properties

Once you have created class properties, you can access these properties with the help of object

\$object-> property;

Note: Do not use \$ symbol in front of properties.

Example Of Class

```
<?php

class Student
{
public $name = "John<br>";
public $roll = "20";

}

$obj = new Student();

echo $obj->name;

echo $obj->roll;
```

```
?>
```

Output

```
John
```

```
20
```

PHP 5 Objects

PHP Objects

An object is a specific instance of a class. An object is created by using the new keyword. For example, if you create a Laptop class, you might then go on to create an object called myobject that belongs to the Laptop class

Syntax of PHP 5 Object

```
Subject_name = new Class name;
```


Example Of Object

```
$Student_detail = new Student();
```

PHP 5 class and object example

```
<?php  
  
class Student  
{  
    public $name;  
    public $branch;  
}  
  
$a1 = new Student();  
  
$a1-> first_name = "John";  
  
$a1-> branch = "Cse";  
  
echo "Student first_name is " . $a1-> first_name ."  
";  
  
echo "Student branch is " . $a1-> branch ."  
";  
  
echo " The Object:  
";  
  
print_r( $a1 );  
  
?>
```

Output

```
Student          first_name      is          John
Student          branch         is          Cse
The
Student Object ( [name] => [branch] => Cse [first_name] => John )
```

Note: you can create any numbers of object belongs to the same class, they all objects are based on the same class but all are independent.

PHP 5 This keyword

PHP This Keyword

The **\$this** is a keyword which represents the current object or current instance of class. **\$this** is a special self-referencing variable that is used to access properties and methods from within the class.

Example Of PHP This Keyword

```
<?php
class Student
{
    Public $name;
    Public $roll;

    function get($a, $b)
    {
        $this->name= $a;

        $this->roll= $b;
    }
}
```

```
function display()
{
echo $this->name."\n";

echo $this->roll."\n";
}

}

$obj= new Student();

$obj->get("John",38);

$obj->display();

?>
```

Output

```
John 38
```

If you ever think an array function is not explained clearly or think we should add a specific array function suggest me at info@ptutorial.com. We will add array function as soon as possible for better experience.