

Introduction to Object Oriented PHP

- We have already learnt that PHP is a scripting language and we have learnt the procedural PHP.
- Now PHP can be object oriented too. Full OOP support added from PHP 5.
- Basically for a simple site, OOP adds unnecessary complexity. But for a complex site OOP adds necessary simplicity.
- Advantages of OOP-
 - ✓ Better code organization and maintainability.
 - ✓ Adds clarity and reduces complexity.
 - ✓ Emphasizes data over procedure.
 - ✓ Complex interactions can be implemented using simple rules.
 - ✓ Makes the code modular.
 - ✓ Enable to reuse the existing code again and again.

➤ **Declaration & Usage of Classes & Objects-**

- Consider the following code fragment-

```
<?php
class FirstClass{           // declare class
    function first_method() //declare methods
    {
        echo "This is the first class we are writing";
    }
} // end of class
$obj=new FirstClass();      //declare object
$obj->first_method();        //invoke method
?>
```

➤ **Referencing an instance-**

```
<?php
class Myclass{
    function example()
    {
        echo "Within method example()";
    }
    function display()
    {
        $this->example();
    }
}
```

```
$obj=new MyClass();           //declare the object
$obj->example();               // invoke method
$obj->display();
?>
```

➤ **Defining class properties or attributes-**

```
<?php
class MyClass {
    var $name;                //declaring variables of the lass
    var $country="INDIA";     // they can take values at the time of declaration

    function display()
    {
        echo $this->name." lives in ".$this->country;
    }
}

$obj=new MyClass();
$obj->name="Sachin";          //assigning value to the variable.
$obj->display();
?>
```