

Object Oriented PHP Power Notes 1

- To display all declared classes use the following code fragment-
`$classes=get_declared_classes(); //standard library function`
`foreach($classes as $x)`
`{`
`echo $x. "
";`
`}`
- To check whether a class is declared or not use the `class_exists()` method as follows-
`if(class_exists('nameofurclass'))`
`echo "the class is declared";`
`else`
`echo "the class is not declared";`
- To check whether a method exists in a class or not do the following-

```
<?php

    Class FirstClass{                // declare class
        function first_method()      //declare methods
        {
            echo "Object oriented PHP is just awesome!";
        }
    }
    $methods=get_class_methods('FirstClass');
    foreach($methods as $method)
    {
        echo $method. "<br/>";          //print all methods
    }
    if(method_exists('FirstClass','first_method'))
    echo "Method exists";
    else
    echo "Method doesn't exists";
?>
```

- To know the class name of any object use the `get_class()` function as follows-
`echo get_class($object_name);`
- To check whether an object belong to class or not, use `is_a()` function-
`if(is_a($object, 'Classs_name'))`

- To get all the variables of a class use `get_class_vars()` function as follows-

```
$vars=get_class_vars('classname');
foreach($vars as $var=>$value)
{
    echo "{$var}: {$value}<br/>";
}
```
- To check whether a property(variable) exists in a class or not use `property_exists()` method as given below-

```
echo property_exists('classname', 'propertyname') ? 'true': 'false';
```
- To get the parent class name of any class use the `get_parent_class()` method s follows-

```
get_parent_class('subclassname');
```
- To check whether a class is a sub class of a parent class use `is_subclass_of()` method as-

```
is_subclass_of('superclass', 'subclass');
```