

Title: Write a PHP script to Demonstrate OOPS Concept in PHP.

Objective : Windows System, XAMPP Software, Crome Browser

Theory :

Class: A class is a user-defined data type which includes local variables and local methods. While an object is an instance of the class which holds the local variables with values assigned and on which we can call the local methods defined in the class

Object: A class defines an individual instance of the data structure. We define a class once and then make many objects that belong to it. Objects are also known as an instance. An object is something that can perform a set of related activities.

Example of class and object:

```
<?php
class demo
{
    private $a= "hello javatpoint";
    public functiondisplay()
    {
        echo $this->a;
    }
}
$obj = new demo();
$obj->display();
?>
```

Visibility (Public, Private and Protected) here are three visibility keywords (from most visible to least visible): public, protected, private, which determines how and from where properties and methods can be accessed and modified.

- **public**— A public property or method can be accessed anywhere, from within the class and outside. This is the default visibility for all class members in PHP.
- **protected**—A protected property or method can only be accessed from within the class itself or in child or inherited classes i.e. classes that extends that class.
- **private**— A private property or method is accessible only from within the class that defines it. Even child or inherited classes cannot access private properties or methods.

-PROGRAM-

```
<?php
class A {
    public function myage() {
        return ' age is 80<br>';
    }
}
class B extends A {
    public function mysonage() {
        return ' age is 50<br>';
    }
}
class C extends B
{
    public function mygrandsonage()
    {
        return 'age is 20';
    }

    public function myHistory() {
        echo "Class A<br> " . $this->myage();
        echo "Class B <br>" . $this-> mysonage();
        echo "Class C <br>" . $this->mygrandsonage();
    }
}
$obj = new C();
$obj->myHistory();
?>
```

-OUTPUTE-

