



# Inheritance

It is a concept of accessing the features of one class from another class. If we inherit the class features into another class, we can access both class properties. We can extend the features of a class by using 'extends' keyword.

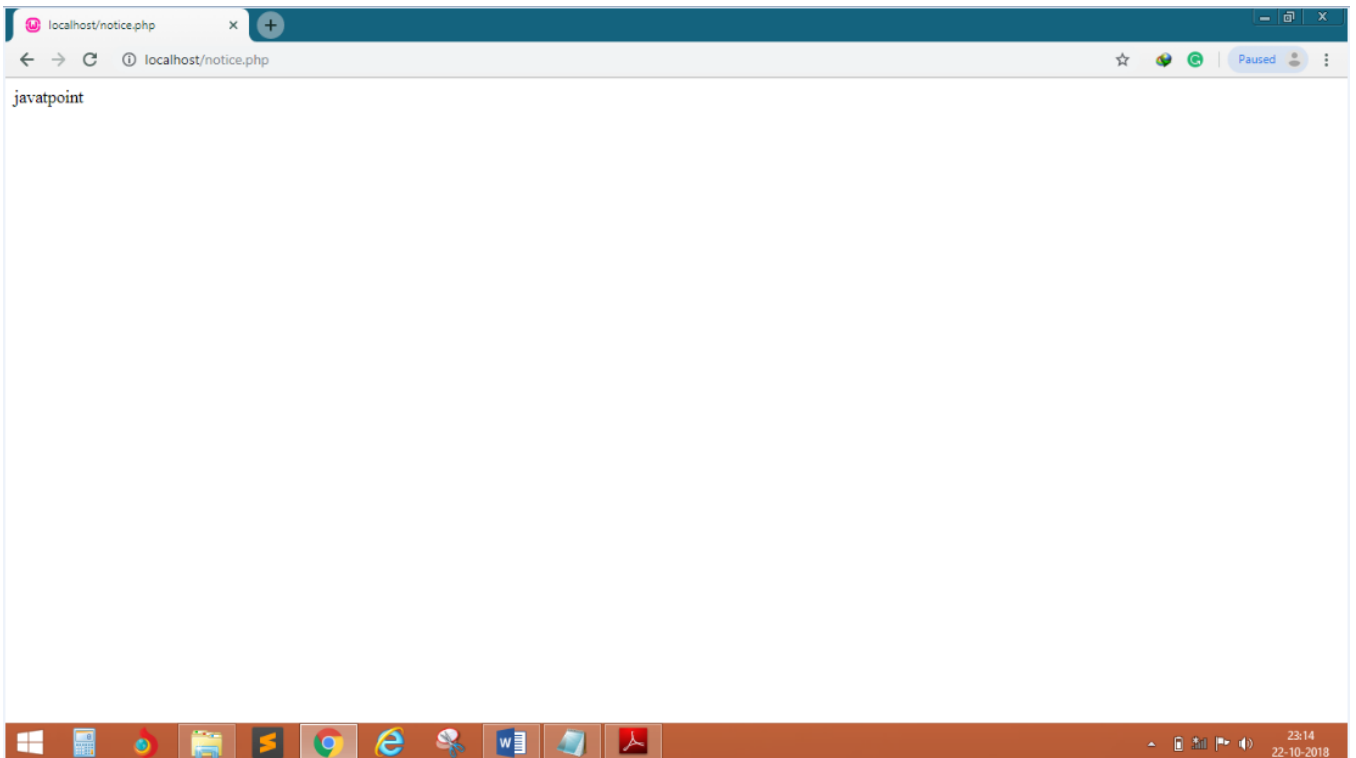


- It supports the concept of **hierarchical classification**.
- Inheritance has three types, **single, multiple and multilevel inheritance**.
- **PHP** supports only **single inheritance**, where only one class can be **derived from single parent class**.
- We can simulate multiple inheritance by using **interfaces**.

## Example 1

```
<?php
class a
{
    function fun1()
    {
        echo "javatpoint";
    }
}
class b extends a
{
    function fun2()
    {
        echo "SSSIT";
    }
}
$obj= new b();
$obj->fun1();
?>
```

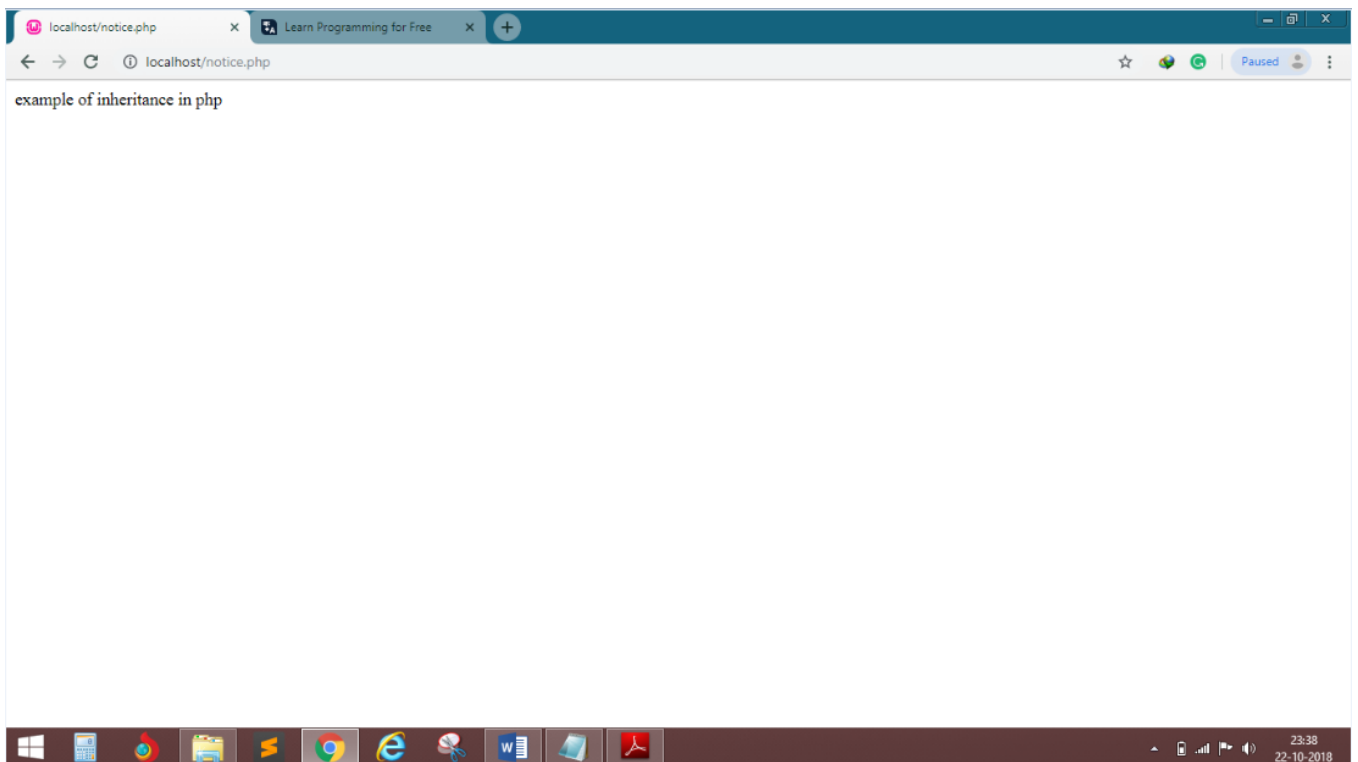
**Output:**



## Example 2

```
<?php
class demo
{
    public function display()
    {
        echo "example of inheritance ";
    }
}
class demo1 extends demo
{
    public function view()
    {
        echo "in php";
    }
}
$obj= new demo1();
$obj->display();
$obj->view();
?>
```

### Output:

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