<?php

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Inheritance / Reusability

It is a concept of accessing the features of one class from another class.

types

Single-level inheritance.

Multi-level inheritance.

Multiple inheritance.

Hierarchical Inheritance.

Hybrid Inheritance.

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// single level inheritance

class model

{

public $a=10;

public $b=20;

function sum()

{

echo $sum=$this->a+$this->b."<br>";

}

}

class control extends model

{

function multi()

{

echo $this->a\*$this->b;

}

}

$obj=new control;

$obj->sum();

$obj->multi();

/\*

1) single level

class a

{

}

class b extend a

{

}

obj: b

=================================

2) Multi-level

class a

{

}

class b extend a

{

}

class c extends b

{

}

obj: c

=================================

3) Multiple inheritance.

class a

{

}

class b

{

}

class c extends a,b

{

}

obj: c // but Multiple Inhetitance not possible in php by extend / only one class extend

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4)Hierarchical Inheritance.

class a

{

}

class b extends a

{

}

class c extends a

{

}

obj : b and c

==================================================================

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5)Hybrid Inheritance.

Mix of any two

class a

{

}

class b extend a

{

}

class c extends b

{

}

class d extends a

{

}

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