**Video – 28**

**Functions Arguments by Reference:**

function wow (&$a) {

}

$str = “Hello”;

wow ($str);

**Video – 29**

**PHP Variable Functions Tutorial :**

Function wow($name) {

Echo “hello $name”;

}

$func = “wow”;

$func(“Pankaj Kumar”); - It will call wow function.

**Other way to do this :**

$sayHello = function($name) {

Echo “$Hello $name”;

};

$sayHello(“Pankaj Kumar”);

**Note :** It is called anonymous function.

**Video -30**

**PHP Recursive Function :**

**function test() {**

**Statement**

**test();**

**}**

**test();**

**Video – 31**

**PHP Global & Local Variable Tutorial :**

Variable Scope in PHP :

<?php

$x=10;

Function test() {

global $x; (this is the way to access global variable inside function in PHP)

echo “Variable X inside function : $x”;

}

test();

echo “Varible X outside function : $x”;

?>

**Video – 32**

PHP Array Tutorial :

$a = array(10,20,30);

**print\_r($a); -------🡪 It will show index number and it’s value;**

for example :

output : Array([0]=>10 [1] => 20 [2]=>30)

**Video- 33**

**Associative Arrays in PHP :**

$a = array(“Bill” => 10, “Joe”=>20, “Peter”=>30);

**Key**

**Value**

$age = array(

“bill” => 25,

“steve”=> 28,

“elon”=> 22

);

echo $age[“steve”];

echo $age[“elon”];

print\_r($age); ->it’s show key and value.

var\_dump($age); -> it’s show key and value with datatype.

**Video – 34**

**PHP Foreach Loop :**

**Foreach loop used for “array”.**

**Syntax : foreach($array as $value) {**

**Statement;**

**}**

**Ex :**

**1. $array = array(10,20,30);**

**foreach($array as $value) {**

**echo $value;**

**}**

**2. $age = [**

**“bill”=>25,**

**“steve”=>28,**

**“elon”=>22,**

**];**

foreach($age as $key=> $value) {

echo $key. “=”.$value.”<br>”;

}

**Video – 35**

**PHP Multidimensional Array Tutorial or Nested Array :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Emp No.** | **Name** | **Designation** | **Salary** |
| 1. | **Krishna** | **Manager** | **50000** |
| **2.** | **Salman** | **Salesman** | **20000** |
| **3.** | **Mohan** | **Computer Operator** | **12000** |
| **4.** | **Amir** | **Driver** | **5000** |

**$emp = array(**

**array(1,”Krishna”,”Manager”,50000),**

**array(2,”Salman”,”Salesman”,20000),**

**array(3,”Mohan”,”Computer Operator”,12000),**

**array(4,”Amir”,”Driver”,5000)**

**);**

**2nd way to write multidimensional array :**

**$emp = [**

**[1,”Krishana”,”Manager”,50000],**

**[2,”Salman”,”Salesman”,20000],**

**[3,”Mohan”,”Computer Operator”,12000],**

**[4, “Amir”, “Driver”,5000]**

**];**

**echo $emp[1][1]; - it is a way to access the data.**

**foreach($emp as $v1) {**

**foreach($v1 as $v2) {**

**echo $v2 . “ “;**

**}**

**echo “<br>”;**

**}**

**Video – 36**

**PHP Multidimensional Associative Array :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Physics** | **Chemistry** | **Math** |
| **Krishana** | **85** | **89** | **78** |
| **Salman** | **68** | **79** | **73** |
| **Mohan** | **62** | **92** | **67** |

**$marks = array (**

**“Krishana” => array(“physics”=>85, “chemistry” => 89, “math”=>78),**

**“Salman” => array(“physics”=>68, “chemistry” => 79, “math”=>73),**

**“Mohan” => array(“physics”=>62, “chemistry”=>92, “math”=>67)**

**);**

**2nd way to write multidimensional associative array :**

**$marks = [**

**“Krishana” => [**

**“physics” =>85,**

**“maths” => 78,**

**“chemistry”=>89**

**],**

**“Salman” => [**

**“physics” => 68,**

**“maths” => 73,**

**“chemistry”=>79**

**],**

**“Mohan” => [**

**“physics” => 62,**

**“maths” => 67,**

**“chemistry” => 92**

**]**

**];**

Echo “<table>”;

Foreach($marks as $key => $v1) {

Echo “<tr>

<td>$key</td>”;

Foreach($v1 as $v2) {

Echo “<td> $v2</td”;

}

Echo “</tr>”;

}

Echo “</table>”;

Video – 37

# Multidimensional Array with List() :

|  |  |  |  |
| --- | --- | --- | --- |
| Emp No. | Name | Designation | Salary |
| 1 | Krishana | Manager | 50000 |
| 2 | Salman | Salesman | 20000 |
| 3 | Mohan | Computer Operator | 12000 |
| 4 | Amir | Driver | 5000 |
|  |  |  |  |

Foreach Loop Syntax with List() in PHP :

$array = [

[1,2],

[30,40]

];

foreach($array as list($a,$b)) {

echo $a.$b;

}