

PHP Math Functions With Examples pdf

pTutorial

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PHP Math Functions

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Mathematical function plays important role in business application like e commerce website.

PHP Abs() Function

Syntax

```
abs(number);
```

Parameter	Description
number	Number can be integer or float

Definition

It Returns the absolute value of number as the same variable type.

Usage

It is used to find the absolute value of any number. For example absolute value of -85 is 85.

Example Of Abs Function

```
<?php  
echo abs(-38);  
var_dump( abs(-38) );  
?>
```

Output Of Given Php Script

```
38  
int 38
```

Explanation

We can directly pass the integer or float into the abs function or store on a variable, pass the variable into the abs function.

Note: If you willing to learn more example, please visit my website <http://www.ptutorial.com>

PHP Pow() Function

Syntax

```
pow(base, exponent);
```

Parameter	Description
Base	Number can be integer or float
Exponent	Number can be integer or float

Definition

It returns the value of base raised to the power of exponent.

Usage

Pow() function is used to find multiplication of first argument itself second parameter times.

For example $5^2 = 25$. In case of pow function 5 is first argument (base) and 2 is second argument (exponent) of pow function.

Note: The pow function is capable of handled the negative power and exponent also.

Example Of Pow Function

```
<?php  
echo "10 to power 3=";  
echo pow( 10, 3 );  
?>
```

Output Of Given PHP Script

10 to power 3=1000

Explanation

In above example, first argument (base) is 10 and second argument (exponent) is 3 so that result will be 1000.

PHP Sqrt() Function

Syntax

```
sqrt($number);
```

Parameter	Description
Number	Number can be integer or float

Definition

It Returns the square root of the any number.

Usage

Sqrt function is used to calculate the square root of number, number can be integer or float.

Example Of Sqrt Function

```
<?php  
  
echo sqrt(16);  
  
>
```

Output Of Given PHP Script

4

Explanation

In above example 16 is an integer type number that has passed into the sqrt function as an argument and it will calculate the square root of the number 16.

PHP Mt_rand() Function

Syntax

```
mt_rand([min, max]);
```

Parameter	Description
Min	Integer or float (optional)
Max	Integer or float (optional)

Definition

It Returns the better random number than rand function.

Usage

Mt_rand function is used to find the random number in between min and max.

Note: Both parameter of mt_rand() function are optional.

Note: Generates a random integer, better than rand().

Example Of Mt rand Function

```
<?php  
  
echo mt_rand();  
  
?>
```

Output Of Given PHP Script

25764855

Explanation

According to the above statement mt_rand function generate any number because of starting point and ending point are not defined. It may be 15110 or 82774.

PHP Min() Function

Syntax

```
min($array);
```

```
min($variable, $variable [, ...$variable...]);
```

Parameter	Description
Array	Array variable

Definition

It Returns the minimum value of an array.

Usage

Min() function is used to find the smallest element of array. If supplied two or more variable, it returns the lowest value argument.

Note: Non-numeric strings are evaluated as zero (0) for comparison purposes.

Example Of Min Function

```
<?php  
  
$no = array(-3, 7, 2);  
  
echo( min($no) );  
  
?>
```

Output Of Given PHP Script

-3

Explanation

In above example \$no is an array variable that store three integers, pass it to the min function and min function return -3 as a minimum number.

Note: If you willing to learn more example, please visit website <http://www.ptutorial.com>



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If you ever think a math function is not explained clearly or think we should add a specific math function suggest me at info@ptutorial.com. We will add math function as soon as possible for better experience