

# PHP Functions

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# PHP Functions

- PHP function is a piece of code that can be reused many times.
- It can take input as argument list and return value.

## Types:

- ✓ built-in functions
- ✓ User-defined Functions

# PHP User-defined Functions

## **Syntax**

```
function functionname(){  
    //code to be executed  
}
```

## **Output**

Hello PHP function

```
<?php  
function writeMsg() {  
    echo "Hello PHP function";  
}  
writeMsg();  
?>
```

**Note:** Function name must be start with letter and underscore only like other labels in PHP. It can't be start with numbers or special symbols.

# PHP Function Arguments

- ✓ We can pass the information in PHP function through arguments which is separated by comma.
- ✓ PHP supports **Call by Value** (default), **Call by Reference**

```
<?php
function writeMsg($name) {
    echo "Hello $name <br/>";
}
writeMsg("Asif");
writeMsg("Rahul");
?>
```

# PHP Function with multiple Arguments

```
<?php
function writeMsg($name,$address) {
    echo "Name:$name and Address: $address<br/>";
}
writeMsg("Asif","bbsr");
writeMsg("Rahul","Delhi");
?>
```

# PHP Function: Returning Value

```
<?php  
function cube($n){  
    return $n*$n*$n;  
}  
echo "Cube of 3 is: ".cube(3);  
?>
```

# PHP Function: Default Argument Value

```
<?php
function sayHello($name="Sonoo"){
echo "Hello $name<br/>";
}
sayHello("Rajesh");
sayHello();//passing no value
sayHello("John");
?>
```

# PHP Call By Reference

- ✓ Value passed to the function doesn't modify the actual value by default (call by value). But we can do so by passing value as a reference.
- ✓ By default, value passed to the function is call by value. To pass value as a reference, you need to use ampersand (&) symbol before the argument name.



# PHP Call By Reference

```
<?php
function adder(&$str2)
{
    $str2 .= 'Call By Reference';
}
function adder1(&$num2)
{
    $num2+=10;
}
$str = 'Hello ';
adder($str);
echo "$str";
echo "<br/>";
$num=20;
adder1($num);
echo "Updated Num: $num";
?>
```