# PhP Functions

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# Functions and Parameters

- PHP functions need to be defined with key word function

- It can have zero or more values (parameters)

- Functions may or may not return values

- If a function need to return value, the last statement of the function should be return

  – return value;

# PHP Functions

A function will be executed by a call to the function.

```
function functionName()
{
code to be executed;
}
```

> Give the function a name that reflects what the function does

> The function name can start with a letter or underscore (not a number)

# Functions

- Parameter-less function
- A simple function that writes a name when it is called:

```php
<?php
function wname()
{
    echo "Mathew";
}

wname();
?>
```

# Functions

- Parameterized function

```php
<?php
function greet($name)
{
    echo "Hello " . $name;
}

greet('Ram');

?>
```

This gives an output Hello Ram

# PHP Functions - Parameters

The following example will write different first names, but equal last name:

```
<html>
<body>

<?php
function writeName($fname)
{
echo $fname . " Refsnes.<br />";
}

echo "My name is ";
writeName("Kai Jim");
echo "My sister's name is ";
writeName("Hege");
echo "My brother's name is ";
writeName("Stale");
?>

</body>
</html>
```

Output:

```
My name is Kai Jim Refsnes.
My sister's name is Hege Refsnes.
My brother's name is Stale Refsnes.
```
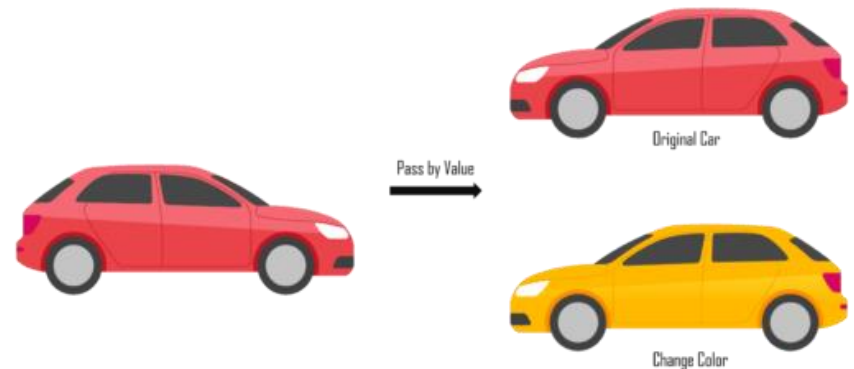
# Functions - returning value

```php
<?php
function add($a,$b)
{
    return ($a + $b);
}

echo add(1,2);
?>
```

we will get an output 3 in the browser.

# Pass by VALUE

```php
<?php
function fun($inp,$incre=1)
{
$inp=$inp+$incre;
echo 'inside function'.$inp;
}
$a=10;
echo 'before function call'.$a;
fun($a);
echo 'after function call'.$a;
?>
```

**Output:**
before function call10
inside function11
after function call10



Original Car

Pass by Value

Change Color

pass by value

cup = 🍵

fillCup( ☕ )

pass by reference

cup = 🍵

fillCup( ☕ )

# Pass by REFERENCE

```php
<?php
function funref(&$inpref,$incre=1)
{
$inpref=$inpref+$incre;
echo 'inside function'.$inpref;
}
$a=10;
echo 'before function call'.$a;
funref($a);
echo 'after function call'.$a;
?>
```

**Output:**
before function call10
inside function11
after function call11

pass by value
var cookie = 🍪

pass by reference
var cookie = 🍪

eatCookie(    )

eatCookie(    )

# Call function from another PHP file

File1.php :
<?php
 function first($int, $string){ //function parameters, two variables.
   return $string;  //returns the second argument passed into the
function
 }
?>

File2.php :
<?php
 **include 'File1.php';**
 echo first(1,"Hello"); //returns Hello;
?>