Functions

- A function is a block of statements that can be used repeatedly in a program.
- A function will not execute automatically when a page loads.
- A function will be executed by a call to the function.

A user-defined function declaration starts with the keyword function, followed by the name of the function

```php
function func() {

  echo "Hello world!";

}
func();



function func($name) {

  echo "Hello $fnamebr>";

}
func("Shubham");



function func($name, $age) {

  echo "Hello $name and age is $age <br>";

}
func("Disha", "30");



function sum($x, $y) {

  $z = $x + $y;

  return $z;

}
echo "5 + 10 = " . sum(5, 10) . "<br>";
```

If you do not know the exact number of arguments

```php
function sumNumbers(...$x) {

  $n = 0;

  $len = count($x);

  for($i = 0; $i < $len; $i++) {

    $n += $x[$i];

  }

  return $n;

}

$a = sumNumbers(5, 2, 6, 2, 7, 7);

echo $a;
```