PHP LAB 4

SAMITHA SOMATHILAKA

Department of Computing & Mathematics, WIT

PHP FUNCTIONS

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.

- There are thousands of built-in functions in PHP.

- In PHP, we can define Conditional function, Function within Function and Recursive function also.

ADVANTAGE OF PHP FUNCTIONS

- **Code Reusability:** PHP functions are defined only once and can be invoked many times, like in other programming languages.

- **Less Code:** It saves a lot of code because you don't need to write the logic many times. By the use of function, you can write the logic only once and reuse it.

- **Easy to understand:** PHP functions separate the programming logic. So it is easier to understand the flow of the application because every logic is divided in the form of functions.

PHP USER-DEFINED FUNCTIONS

PHP USER-DEFINED FUNCTIONS

- We can declare and call user-defined functions easily. Let's see the syntax to declare user-defined functions.

Syntax

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

PHP USER-DEFINED FUNCTIONS

```php
<?php
function sayHello(){
echo "Hello PHP Function";
}
sayHello();//calling function
?>
```

PHP FUNCTION ARGUMENTS

- PHP supports Call by Value (default), Call by Reference, Default argument values and Variable-length argument list.

```php
<?php
function sayHello($name){
echo "Hello $name<br/>";
}
sayHello("Sonoo");
sayHello("Vimal");
sayHello("John");
?>
```

PHP FUNCTION ARGUMENTS

```php
<?php
function sayHello($name,$age){
echo "Hello $name, you are $age years old<br/>";
}
sayHello("Sonoo",27);
sayHello("Vimal",29);
sayHello("John",23);
?>
```

PHP FUNCTION: DEFAULT ARGUMENT VALUE

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

```
Hello Rajesh
Hello Sonoo
Hello John
```

```php
<?php
function add($n1=10,$n2=10){
$n3=$n1+$n2;
echo "Addition is: $n3<br/>";
}
add();
add(20);
add(40,40);
?>
```

```
Addition is: 20
Addition is: 30
Addition is: 80
```

PHP FUNCTION: RETURNING VALUE

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