Function

#4 Session

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Function

INTRODUCTION

What does Function mean?

A function is a piece of code which takes one more input in the form of parameter and does some processing and returns a value.

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Rules of Creating (Declaring) Function

Same as variable but:

1- Case-Insensitive
2- Can calling before define

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Function

Here's what you'll learn about function:

1. **Define** and **call** function
2. **Parameters** or Arguments
3. **Return** values
4. Function **scope**
5. **Default** Parameters
6. Return **Type** Declarations
7. Passing Parameters by **Reference**

#Syntax Example

```php
<?php

function functionName(){

    //Code

}
```

Define and call

```php
<?php

sayHello();


function sayHello(){
  echo "Hello";
}

?>
```
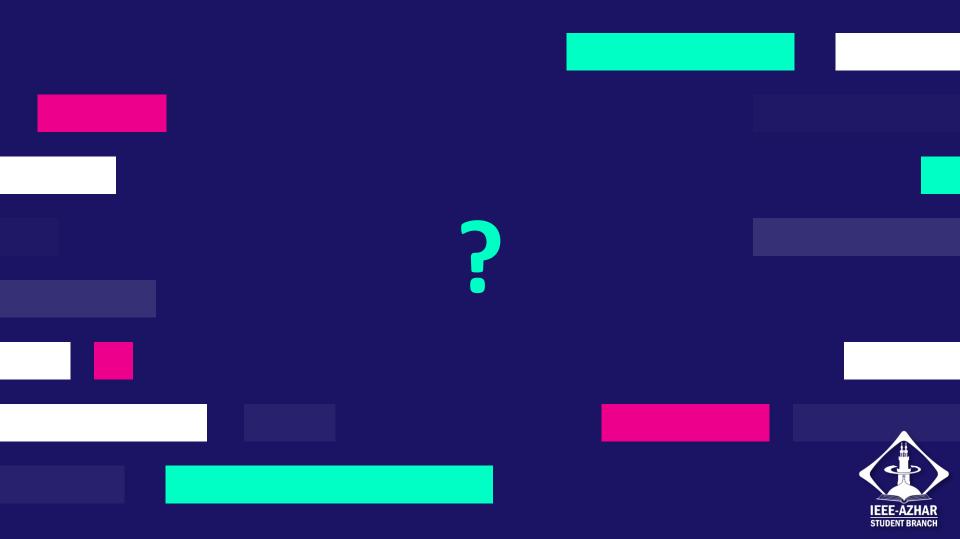
Parameters or Arguments

```php
<?php

function getSum($num1, $num2){

   echo $num1 + $num2;

}

getSum(10, 20); //20
```

?

#Parameters Default Values

```php
<?php

function getSum($num1 = 10, $num2 = 20)
{
    echo $num1 + $num2;
}

getSum(); //30
getSum(15, 25); //40
```

#Return Type Declaration

```php
<?php

function getSum($num1, $num2) :float
{
    return $num1 + $num2;
}



// note that value is float number

var_dump(getSum(10, 20));

?>
```

#Function Scope 1

```php
<?php
function test(){
    $greet = "Hello World!";
    echo $greet;
}

test() //Hello World!

echo $greet; // undefined variable error
```

#Function Scope 2

```php
<?php

$hello = "Hello World!";

function test(){

    echo $hello;
}

test()  //error
echo $hello; //hello world
```
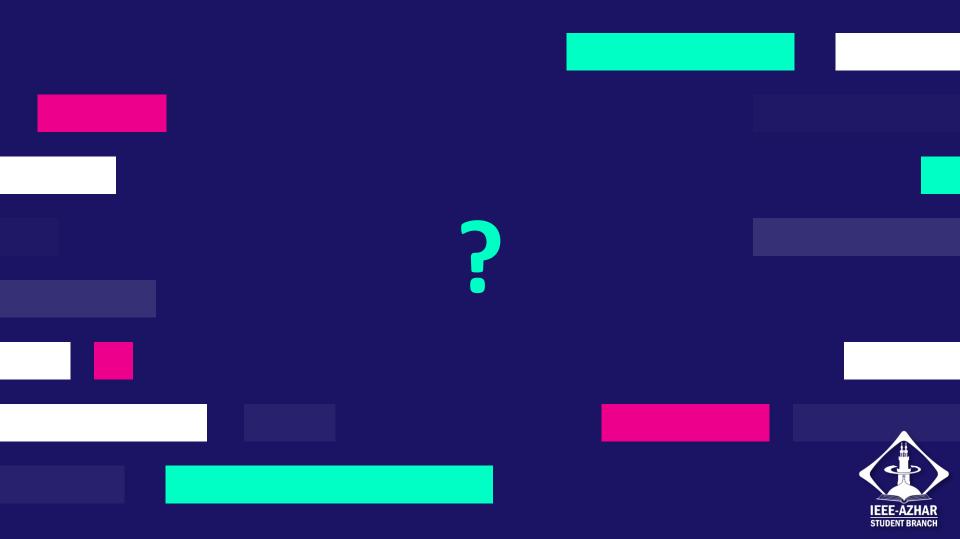
#global

global **keyword**

$GLOBALS

?

02

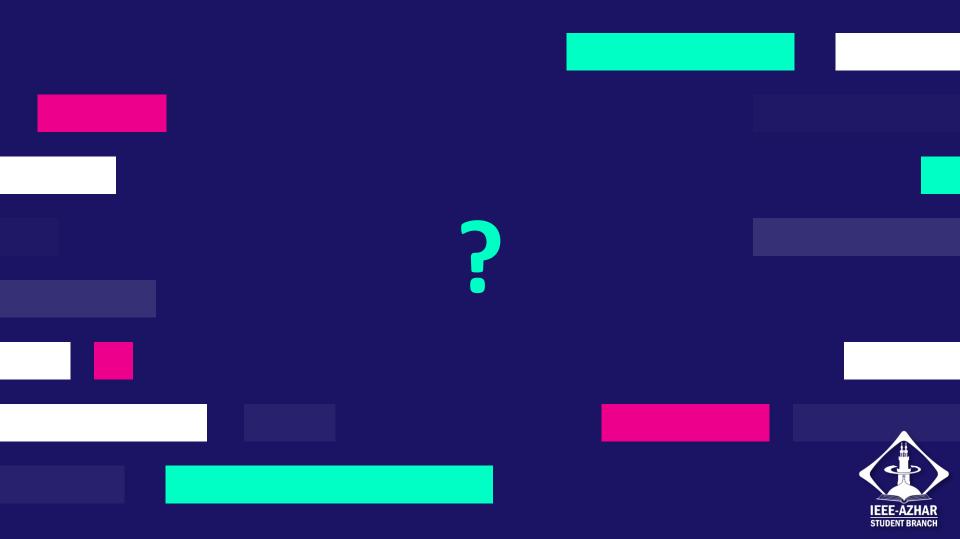## Built-in Function

#Built-In Function Example

```php
<?php

$hello = "Hello World!";



var_dump(is_string($hello)); // true
```

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Reference

03

Magic constant

#Magic constant Example
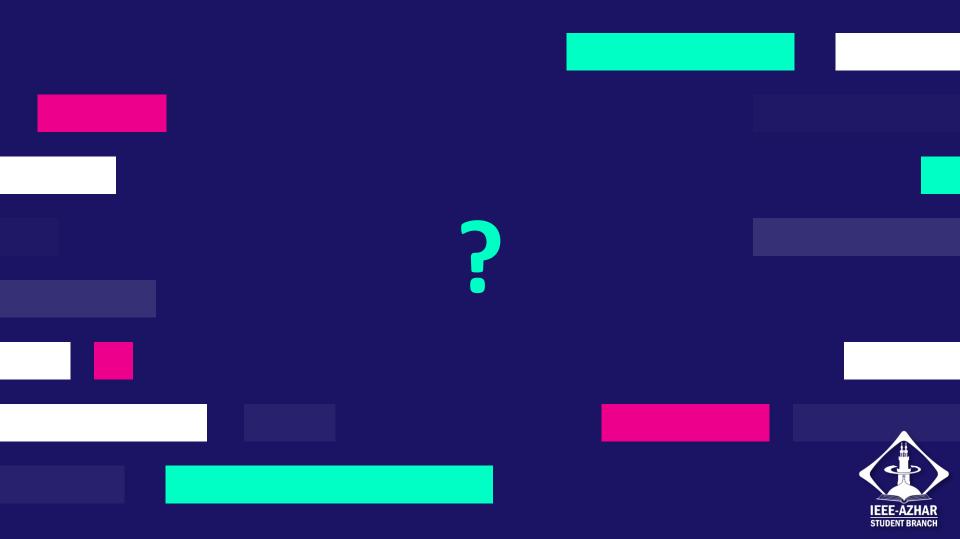
```php
<?php



echo PHP_INT_MAX;
```

Reference

?

04

Predefined Variables (Superglobals)

PHP Data Types

$GLOBALS

$_SERVER

$_REQUEST

$_GET

$_POST

$_FILES

$_COOKIE

$_SESSION

RESOURCES

- PHP Manual: php.net
- Tutorials Point: tutorialspoint.com/php
- PHP Tutorial: phptutorial.net
- W3 School: w3schools.com/php

Thanks for your attention 😊