# PHP : Hypertext PreProcessor

## **Introduction**

Php is used by almost 20 million website and 2 million web servers across the world.

* Make website Function faster
* Create Dynamic Web pages
* Provide Security Encryption
* Cost-Efficient
* Compatibility
* Platform Independent

**What is php?**

PHP is Hypertext preprocessor, earlier known as Personal Home pages

PHP is Open Source Server side scripting language that is embedded into html and used for web development.

Php syntax starts with <?php and ends with ?>

**Features of php?**

* Simple : as it is easy to learn
* Highly flexible : Changes can be done without developer’s intervention
* Platform Independent : Runs on every platform (not require any specific plugin to run)
* Interpreted : Does not compile
* Fast : Loads website faster due to interpreter
* Open sOurce : Free to use
* Secure : PHP framworks provides security to website
* Large php community : Large, scalable and helpful community

**How Does PHP Works?**

* Sends the request from browser to server with the extension .php, The Server sends the php page request to php interpreter.PHP interpreter interprets the script to access the specific data as requested and then the server sends the html page according to the requirements.

**Major Companies :** Facebook, Wikipedia, Wordpress, Tumblr, Yahoo

**XAMPP : X – Cross platform**

**A – Apache**

**M – MariaDB**

**P – php**

**P – perl**

It is a open source application developed by Apache friends and the easiest way to host local web server with access to MySql database, php and perl.It is all in one package.

## **Programming Concept**

**Variables:**

Define Variable using $ signature

i.e, $num, $name etc.

For Printing use html and $var\_name

**Arrays:** Collection of same datatype

Function : array(values);

**var\_dump** – used to get datatype of the variable

**consonant** : Static variables