# PHP Course Ducat Noida (Batch 6 pm)  11 April 2020

**PHP : PHP stands for hypertext pre processor. server side scripting language which used for developed dynamic websites. It was developed by Rasmus Lerdrof around 1994.**

**Extension : .php**

**Advantage**
**\*        open source(source code can change)**
**\*        multiplatform(win,linux,mac)**
**\*        support many databases (e.g mysql, oracle etc)**
**\*        support many web servers (e.g. apache, iis etc)**
**\*        easy to use, light weight, fast processing**
**\*        support oops features**

**php**
**xampp (Cross)**
**wamp  (windows)**
**lamp  (linx)**
**mamp  (mac)**

**xampp download from apachefriends.org**
**install**

**xampp control panel        ( start apache and mysql )**

**save file**

      c://xampp/htdocs/folder/filename.php

**e.g.**

      c://xampp/htdocs/06pm/first.php

**code**

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**Run   (browser)**

**http://localhost/06pm/first.php**

**or**

**localhost/06pm/first.php**

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**Tags(Delimiters)**

**1 standard tag**

      `<?php`

      `?>`

**2 short tag**

      `<?`

      `?>`

**3 Asp tag**

```
<%


%>
```

**for output on screen**

**echo**
    * fast processing
    * it can execute multiple statement
        e.g.
            echo "","","";
            echo  "Hello","Ducat";

**print**
    * slow processing
    * it can execute only single statement
        e.g.
            print "";
            print  "Hello";

**concatenation ( . )**

    echo  "Hello"."Ducat";
    print  "Hello"."Ducat";

**new line**

      **<br> (webpage)**

      **\n    (file)**


**echo "Hello <br> PHP";**

**print "Hello <br> PHP";**

**echo "<h1>India</h1>";**


**comments**

      *//*           **single line comments**

      *#*           **single line comments**


      */\**

            **multiple line comments**

      *\*/*

variable : it is a temporary memory location which is used for hold the information. the value of the variable can vary(change) at run time.

Rules for declare variable
* start from $ sign
* continue with a-zA-Z_
* can combination a-zA-Z0-9

e.g.
    $a;
    $D;
    $5;            wrong
    $_A;
    $a5;
    $5a;    wrong


$a = 5;
echo $a;


$b = "India";
echo $b;


Data Types : in php data types allocate automatically at run time.

int, string, double, array, object , resource, boolean, null


check data type
gettype(var name)        show only data type
var_dump(var name)          print, show data type and value


e.g.


$a = 5;
echo gettype($a);
var_dump($a);


e.g
$x = 5;
echo "value of x is ".$x;


e.g.
$a = 5;
$b = 3;
echo "value of a is ".$a." and value of b is ".$b;


e.g.

```
$z = 8;

echo "value of z = ".$z;          (value of z is 8)
echo "value of z = $z";           (value of z is 8)
echo 'value of z = $z';           (value of z is $z)
```

**Constant :** it is a temporary memory location which used for hold the information. the value of constant can not vry(change) at run time.

```
defined("constant name","value");
const constantname = value;
```

Rules for define constant name
    * always start from a-zA-Z_
    * can use a-zA-Z0-9

e.g
```
define("HOST","Localhost");
or
const HOST = "Localhost";

echo HOST;
```

e.g.
```
define("A","India");
or
const A = "India";

echo A;
```