

PHP TUTORIAL BY MAYUR PURUSHVANI

Introduction :

- PHP: Hypertext Pre-processor.
- PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites.
- It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server.
- PHP Syntax is C-Like.

Characteristics :

- Simplicity
- Security
- Flexibility

Configuration:

Install Xampp.

Start apache and mysql service.

Put your projects into xampp/htdocs.

Run the project as localhost/project_name.

Open the database as localhost/phpmyadmin.

Hello World in PHP :

```
<html>

    <body>

        <?php echo "Hello world";?>

    </body>

</html>
```

To see The Information About PHP :

Just simply type in your file, and refresh in browser.

```
<?php
    phpinfo();
?>
```

Setting up in PHP :

Open php.ini from xampp configuration.

Indentation :

You must keep your code with proper indentation. For better understanding.

Like :

```
<?php
    $name = 'mayur purushvani';
    $age = 21;
    if($name == 'mayur purushvani' && $age == 21)
    {
        echo 'Perfect!';
    }
?>
```

echo Statement :

Syntax :

echo “; OR echo “”;

We can also use <i><u> tags inside echo.

Print Statement :

Syntax :

Print “; OR print “”;

The difference between echo and print is that a people believe that echo is faster than print.

echo in HTML :

echo "<input type="text">"; //It will not work because the “” starts and end error occurs!

echo '<input type="text">'; //You can use this

echo “<input type='text'>”; //or this

Embedding PHP inside HTML :

<?php

\$var = 'Hello mayur!';

?>

<input type="text" value=" <?php echo \$var; ?>">

Comments :

// OR /* */

Error Reporting :

Open xampp/php/php.ini file.

Find the keyword ‘error_reporting’

It has a value like E_ALL. Means If any syntax or logical error occurs in our code, It will display the error.

And if you can change the error_reporting value from E_ALL to 0, Then nothing is shown in your page while you have any error in your code.

~ sign identify that 'not including'.

You can also set a variable from a code file :

Like :

error_reporting(0); OR error_reporting(E_ALL); OR

ini_set ('error_reporting' , E_ALL);

Variables :

In PHP, We don't need to any keyword to define any variables. We just simply type a \$ annotation and variable name.

Like : \$text = 'mayur' OR \$number = 11 etc.

Concatenation :

You can use a .(DOT) in concatenation.

Like :

\$day = 11;

\$month = 'january';

\$year = 2021;

echo 'Today is ' . \$day . ' ' . \$month . ' ' . \$year ;

If – Else Statement :

```
<?php
$one = 12; $two = 10; $number = $one + $two;
if($number == 23){
    echo 'number is 23';
}
else if($number == 22){
    echo 'number is 22';
}
else{
    echo 'number is something else';
}
?>
```

Assignment Operators :

= is used as an assignment operator.

Like : a = 1; \$text = "hello"; \$text .= ' world!';

Comparison Operator :

> , < , >= , <= , === , and !==. Like :

```
$password = 'mayur';
if($password == 'mayur purushvani'){
    echo 'Correct';
}
else{
    echo 'Incorrect!';
}
```

Arithmetic Operators :

`+, -, *, /, ++, --, %.`

This are the arithmetic operators inn php.

Like :

```
$num1 = 10;
```

```
$num2 = 40;
```

```
$num3 = 20;
```

```
$res = $num1 + $num2 / $num3;
```

```
echo $res;
```

Logical Operators :

`&&, ||, !`

Like :

```
$number = 201;
```

```
$res = 200;
```

```
$res2 = 250;
```

```
if($number >= $res && $number <= $res2){
```

```
    echo 'Okay!';
```

```
}
```

```
else{
```

```
    echo 'number must between ' . $res. 'and ' . $res2;
```

```
}
```

Triple Equals Operator :

I below example if we use `==`, it will fulfill the if condition and give the result as 'equal'. But in `===` it will also check the type of the data, so it will fulfill the else part which is 'not equal'.

```
$num1 = '1';  
$num2 = 1;  
If($num1 === $num2){  
    echo "equal";  
}  
else {  
    echo "Not equal";  
}
```

While loop :

```
$number = 1;  
while($number < 10){  
    echo 'hello mayur '.$number. '<br>';  
    $number++;  
}
```

Do While loop :

```
$number = 1;  
do{  
    echo 'hello mayur '.$number. '<br>';  
    $number++;  
}  
while($number < 10)
```

For loop :

```
for($number = 0; $number < 10; $number++){  
    echo $number; }
```

Switch Case :

```
$day = "saturday";
```

```
switch($day){
```

```
    case 'saturday':
```

```
    case 'sunday':
```

```
        echo "It's a weekend!";
```

```
        break;
```

```
    default :
```

```
        echo "It's a working day!";
```

```
        break;
```

```
}
```