

PHP TRAININ

HTML - Hyper Text Markup Language

-By Tim Berners Lee, in 1991

In 1993, **HTML+**

in 1995, **HTML 2.0**

in 1997, **HTML 3.2**

in 1999, **HTML 4.01**

in 2000, **HTML XHTML**

in 2010, **HTML 5**

1. Meta

`<meta name="viewport" content="width=device-width, initial-scale=1.0">`

1. Document Structure

1. Head tag - *title*
2. Body tag - *main content*

2. Tag

1. paired Tag . *head, heading tags, html, body, title, paragraph, underline*
2. Self closing Tag . *new line
, image, horizontal line, comment tag*
3. Text Formeting Tag- *bold(b), italic(i)*

3. Attributes

1. style

<p style=+color:red;background:black;font-size:20px;+>

4. Marquee Tag

Attribute

1. Behavior - *Scroll, slide, alternate*
2. Direction . *Left, Right, Top, Bottom*
3. Scrollamount . *1 to so on*
4. Hspace - *__px*
5. Vspace - *__px*

5. Horizontal line

1. Hspace - *__px*
2. Vspace - *__px*

6. lists

1. Description List

DI . *descriptioni list*

Dt . *description term*

Dd . *description data*

2. Ordered List

Ol . *ordered list*

Li . *list item*

3. Un-ordered List

Ul . *unordered list*

Li . *list item*

span tag

Rules

- 1) Don't have height and width attribute
- 2) It don't aligned
- 3) It display as inline
- 4) It not use margin.

Div tag

Rules

- 1) It have height and width attribute
- 2) it don't aligned
- 3) it display as block
- 4) it use margin.

Span tag	Div tag
<ol style="list-style-type: none">1. Don't have height and width attribute2. It display as inline3. It don't use margin4.	<ol style="list-style-type: none">1. It have height and width attribute2. Display as block3. It use margin

7. Table

Table . *table start*

Tr . *table row*

Th . *table heading*

Td . *table data*

Attributes

1. cellspacing
2. cellpadding
3. rowspan
4. colspan
5. bordercolor

8. HTML Entities

In HTML reserve word for special character is called entities

&entity name;

1. < . *less then*
2. >- *greater then*
3. . *space*
4. & - *&*
5. © . *Copyright*
6. ® - *Register*

9. forms

Form . (*form start*) – *method=post/get, action=url, name=name*

Input . (*input box or text box*) –
type=text/password/email/checkbox/submit/button/radio, name

Select . (*options*) - *name*

Textarea . (*text box*) – *name, rows, cols*

10. input tag

Attributes

1) Type

- i. Text
- ii. Radio
- iii. Email
- iv. Password
- v. Submit
- vi. Button
- vii. File

2) Name

3) Height

4) Width

Textarea

Attributes

1) Rows

2) Cols

10. Required Attribute in input form

`<input type="text" required="true">`

Here this input not contain null value

11. Pattern Attribute

`<input type="text" pattern="{8,}" title="must contain atleast 8 or more">`

`<input type="text" pattern="[0-9]{10}" title="must contain only 10 number">`

12. external stylesheet

`<link rel="stylesheet" href="style.css">`

13. a tag

Target attribute

`go to next windows`

Jump in page bookmark (id)

`Jump to Chapter 4`

`<h2 id="C1">Chapter 1</h2>`

`<h2 id="C2">Chapter 2</h2>`

`<h2 id="C3">Chapter 3</h2>`

`<h2 id="C4">Chapter 4</h2>`

`<h2 id="C5">Chapter 5</h2>`

14. tags for text

code

```
<code>  
x = 5;<br>  
y = 6;<br>  
z = x + y;  
</code>
```

Preserve tag

```
<pre>  
<code>  
x = 5;  
y = 6;  
z = x + y;  
</code>  
</pre>
```

Keyboard <kbd>

<p>Save the document by pressing <kbd>Ctrl + S</kbd></p>

Samp tag

<p>If you input wrong value, the program will
return <samp>Error!</samp></p>

Var tag

Einstein wrote: <var>E</var> = <var>mc</var>².

Blockquote

<blockquote>Blockquote</blockquote>

15.HTML Media

VIDEO TAG

```
<video width="320" height="240" autoplay>
  <source src="movie.mp4" type="video/mp4">
  <source src="movie.ogg" type="video/ogg">
  Your browser does not support the video tag.
</video>
```

ATTRIBUTE

controls

autoplay

EXAMPLE IN JAVA SCRIPT

```
<div style="text-align:center">
  <button onclick="playPause()">Play/Pause</button>
  <button onclick="makeBig()">Big</button>
  <button onclick="makeSmall()">Small</button>
  <button onclick="makeNormal()">Normal</button>
  <br><br>
  <video id="video1" width="420">
    <source src="mov_bbb.mp4" type="video/mp4">
    <source src="mov_bbb.ogg" type="video/ogg">
    Your browser does not support HTML5 video.
  </video>
</div>
```



```
<script>
var myVideo = document.getElementById("video1");

function playPause() {
  if (myVideo.paused)
    myVideo.play();
  else
    myVideo.pause();
}

function makeBig() {
  myVideo.width = 560;
}

function makeSmall() {
  myVideo.width = 320;
}

function makeNormal() {
  myVideo.width = 420;
}
</script>
```

AUDIO TAG

```
<audio controls>
<source src="horse.ogg" type="audio/ogg">
<source src="horse.mp3" type="audio/mpeg">
Your browser does not support the audio element.
</audio>
```

PLUG INS

```
<object width="400" height="50" data="bookmark.swf"></object>
<object width="100%" height="500px" data="snippet.html"></object>
<object data="audi.jpeg"></object>
<embed width="400" height="50" src="bookmark.swf">
<embed width="100%" height="500px" src="snippet.html">
<embed src="audi.jpeg">
```

YOUTUBE PLUG IN

```
<iframe width="420" height="315"
src="https://www.youtube.com/embed/tgbNymZ7vqY">
</iframe>
```

AUTOPLAY

```
<iframe width="420" height="315"
src="https://www.youtube.com/embed/tgbNymZ7vqY?autoplay=1"
>
</iframe>
```

CONTROL

```
<iframe width="420" height="315"  
src="https://www.youtube.com/embed/tgbNymZ7vqY?controls=0"  
>  
</iframe>
```

USING EMD OR OBJECT

```
<object width="420" height="315"  
data="https://www.youtube.com/embed/tgbNymZ7vqY">  
</object>
```

```
<embed width="420" height="315"  
src="https://www.youtube.com/embed/tgbNymZ7vqY">
```

16.

-----end-----

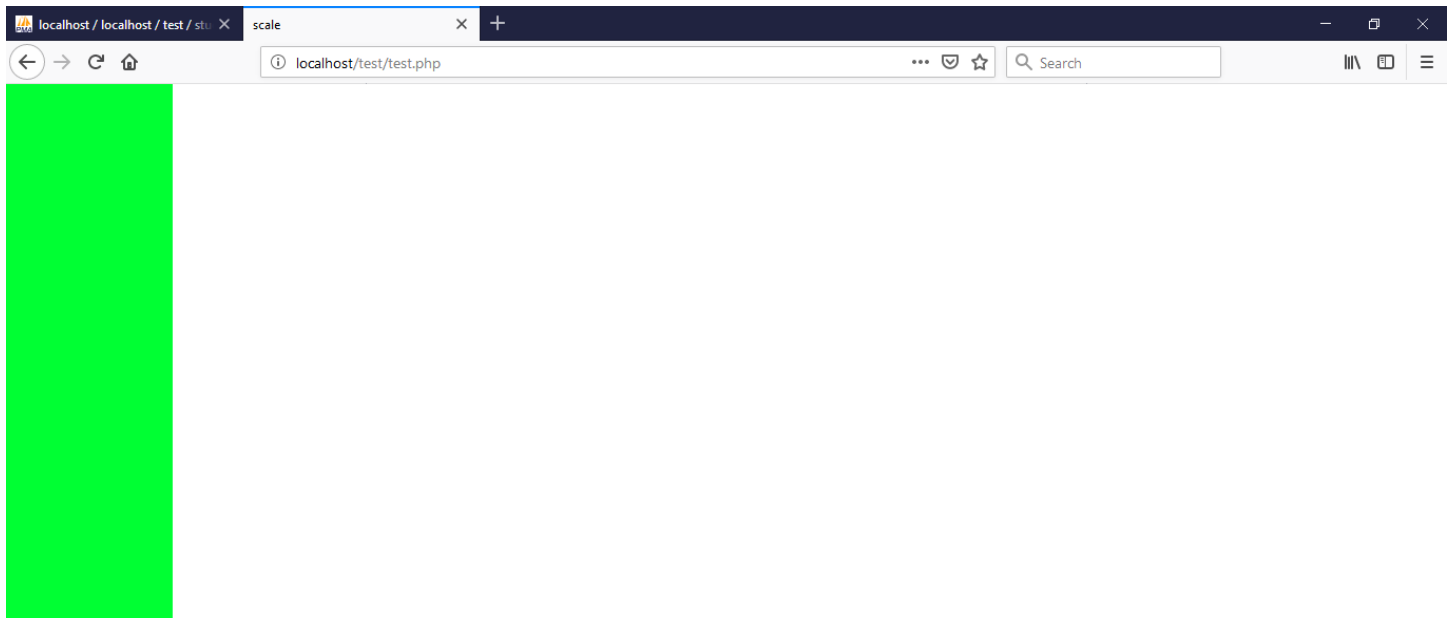
CSS . Cascading Style Sheet

1. Scale

```
<html>  
<head>  
<title>scale</title>  
<style>  
#d  
{  
height:200px;  
width:100px;  
background-color:#00FF33;  
}  
#d:hover  
{  
-webkit-transform:scale(2,4); /*(x,y) */  
transform:scale(2,4);
```

```
}  
h1  
{color:#FF0000}  
</style>  
</head>  
<body>  
<div id="d">  
hello</div><nobr>  
  
</body>  
</html>
```

Output



Activate Windows
Go to Settings to activate Windows.

2. Skew

```
<html xmlns="http://www.w3.org/1999/xhtml">  
<head>  
<title>skew</title>  
</head>  
<style>  
img  
{
```

```
height:200px;
width:100px;
background-color:#00FF33;
}
img:hover
{
-webkit-transform:skew(30deg,30deg);
transform:skew(30deg,30deg);
}
</style>
<body>

</body>
</html>
```

Output



Activate Windows
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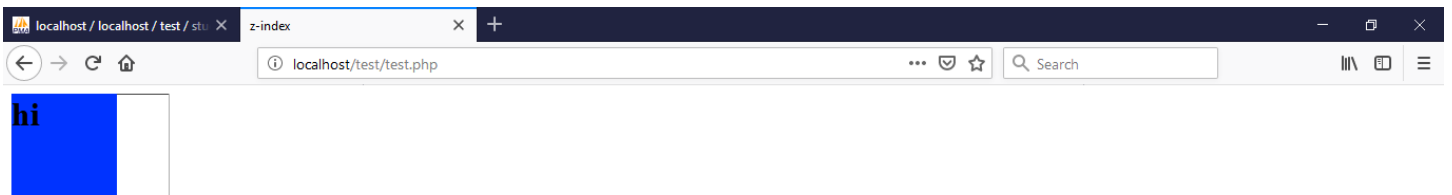
3. z-index

```
<html>
<head>
<title>z-index</title>
</head>
```

```
<style>
#a
{
height:100px;
width:100px;
background-color:#0033FF;
position:absolute;
}
#b
{
height:100px;
width:100px;
background:url(file:///G:/mohit/documents/photos/ce0.jpg);
z-index:1;
margin-left:50px;
}
</style>
<h1 id="a" src="file:///G:/mohit/examination/photos/exam3.jpg">hi</h1>

<body>
</body>
</html>
```

Output



4. Grid

```
<html>
<head>
<title>Untitled Document</title>
</head>
<body>
<div style="background:-webkit-linear-
gradient(90deg,green,white,white,orange);height:200px;width:100%"></div>
</body>
</html>
```

Output



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5. Transform

```
<html>
<head>
<title>transform</title>
</head>
<style>
```

```
div
{
width:300px;
height:400px;
background-color:#00FF00;
/*background:-webkit-transform:wait 1000s; */
}
div:hover
{
width:500px;
background-color:#FFFF00;
}
</style>
<body>
<div>a</div>
</body>
</html>
```

Output



Activate Windows
Go to Settings to activate Windows.

6. Rotate

```
<html>
```



```
<head>
<title>rotate</title>
</head>
<body>
<style>
div
{
height:200px;
width:100px;
background-color:#00FF33;
}
div:hover
{
-ms-transform:rotate(5deg);
-webkit-transform:rotate(5deg);
transform:rotate(5deg);
}
</style>
<div>
hello</div>
</body>
</html>
```

Output



7. Text style

Text decoration

```
text-decoration:underline;  
text-decoration:overline;  
text-decoration:line-through;
```

Text transform

```
text-transform:capitalize;  
text-transform:uppercase;  
text-transform:lowercase;  
text-transform:inherit;
```

Text shadow

```
text-shadow:#FFFFFF 1px;
```

Font variant

```
font-variant:small-caps;
```

Font family

```
font-family:Arial  
font-family:"Times New Roman"  
font-family:"Courier New"  
font-family:Georgia  
font-family:Verdana  
font-family:Geneva  
font-family:monospace
```

font-family:Helvetica

font-family:sans-serif

Font weight

font-weight:bold;

font-weight:200px;

8. Border

border-radius:15px;

border-right:#00FF00;

border-left:#00FF00;

border-style:hidden;

border:2px solid green;

9. Lists

list-style-image:url(../photos/bg2.JPG);

list-style:none; /*disc not show */

list-style-position:inside;

line-height:30px; /*list line space */

10. Box Shadow

box-shadow:2px 1px 2px 2px #CCCCCC;

11. float

```
<!DOCTYPE html>
<html>
<body>
<h2>Not Using object-fit</h2>
<p>Here we use do not use "object-fit", so when we resize the browser window, the
aspect ratio of the images will be destroyed:</p>
<div style="width:100%;height:400px;">
  
  
</div>
</body>
</html>
```

Output



Not Using object-fit

Here we use do not use "object-fit", so when we resize the browser window, the aspect ratio of the images will be destroyed:



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12. Background

```
background-image: url("img_tree.gif");
```

background-image: -webkit-radial-gradient(600px 200px, circle, #eee, #bababa 40%);

background-repeat: no-repeat;

background-attachment: fixed;

background-position: center;

Background blendmode

```
div {
```

```
width: 400px;
```

```
height: 400px;
```

```
background-repeat: no-repeat, repeat;
```

```
background-image: url("img_tree.gif"), url("paper.gif");
```

```
background-blend-mode: lighten;
```

```
}
```

Background clip

```
background-clip: border-box;
```

```
background-clip: padding-box;
```

```
background-clip: content-box;
```

Background origin

```
background-origin: content-box;
```

```
background-origin: padding-box;
```

```
background-origin: border-box;
```

Background size

```
background-size: auto;
```

background-size: 300px 400px;

background-size: 50%;

vertical align

vertical-align:top;

vertical-align:bottom;

vertical-align:middle;

vertical-align:sub;

vertical-align:super;

vertical-align:baseline;

word-spacing and line-height

	Line-height	Word-spacing
Code / example	<pre><pre style=+line-height:50px;+> Ha ha Ha ha Ha ha </pre></pre>	<pre><pre style=+word-spacing:20px;+> Ha ha Ha ha Ha ha </pre></pre>
Output	Ha ha Ha ha Ha ha	Ha ha Ha ha Ha ha

Display

display: inline; // for table

display: block; //

display: inline-block //

display: none; //hide - not require space after hide

visibility: hidden; //hide - require space after hide

Opacity

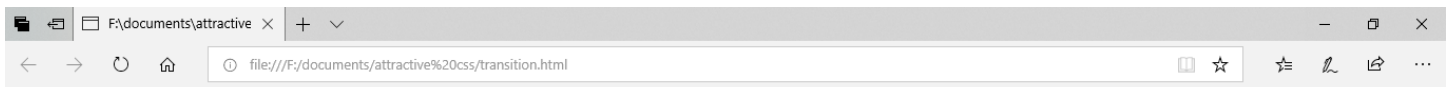
opacity: 0.5 //fade any image or background

Transition

```
<!DOCTYPE html>
<html>
<head>
<style>
div {
  width: 100px;
  height: 100px;
  background: red;
  -webkit-transition: width 2s, height 4s; /* For Safari 3.1 to 6.0 */
  transition: width 2s, height 4s;
}

div:hover {
  width: 300px;
  height: 300px;
}
</style>
</head>
<body>
<div></div>
</body>
</html>
```

Output



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Overflow

`Overflow:scroll;` // over is scrolling in `div / span` with fixed height and width

`Overflow: hidden;` // over is hidden

`Overflow:visible;` //overwrite at outside

-----end-----

JS . JavaScript

1. Javascript is a object based scripting language
2. Javascript Transformer is Browser

Use

1. to create interactive website
2. Client Side validation
3. Dynamic Dropdown Menus
4. Display Data and Time
5. Pop-up box, dialog boxes
6. Richer interface with html, css and php
7. Javascript is Dynamic Language . `var a=10; var b="aman"`

Syntax

`<script>code</script>`

Attributes

1. Language . *javascript*
2. Type . *text/javascript*
3. src = *url*

Sections

Head Section . outside body

Body Section . inside body

1. Output operator

`Document.write("hello");`

2. Variables

`Var a=10;`

`Var b="submit";`

```
var x = new String();    // Declares x as a String object
var y = new Number();    // Declares y as a Number object
var z = new Boolean();   // Declares z as a Boolean object

var A= undefined; //undefined variable
```

3. Data structure

Primitive. String, Number, Boolean, Undefined

Non-Primitive. Object, Array, Regular-Expression

4. Functions

Simple Function

```
<head>
<script>
function a()
{
  Var a=10; //local variable
  Document.write(a);
}
</script>
</head>
<body>
<script>a();</script>
</body>
```

Function Display

```
function toCelsius(fahrenheit) {  
    return (5/9) * (fahrenheit-32);  
}  
document.getElementById("demo").innerHTML = toCelsius;
```

Functions Used as Variable Values

```
var x = toCelsius(77);  
var text = "The temperature is " + x + " Celsius";  
//you can use function directly as a variable  
var text = "The temperature is " + toCelsius(77) + " Celsius";
```

5. Alert Box

```
Window.alert("hello");
```

6. Confirm Box

```
window.confirm("do you want to save this password");
```

7. Prompt Box

```
Var a=parseInt(prompt("Enter the value"));  
document.write(a);
```

8. Get element by id

```
document.getElementById("a").innerHTML="hello";  
document.getElementById("a").style.backgroundColor="red";  
document.getElementById("demo").style.fontSize = "35px";  
document.getElementById('demo').style.display = 'none'; //for hide  
document.getElementById("demo").style.display = "block"; //for unhide
```

```
document.getElementById("demo").innerHTML = 5 + 8;  
lastname = "Peterson";  
document.getElementById("demo").innerHTML = lastName;
```

9. Append

```
<html>  
<head>  
<script src="jquery-1.10.2.js"></script>  
<!--<script src="jQuery.Validate.min.js"></script>  
<script src="jquery.transit.min (1).js"></script> -->  
<script>  
$(document).ready(function(){  
$("#btn1").click(function(){  
$("#a").append("<b>hello</b>");  
});  
$("#btn2").click(function(){  
$("ol").append("<li>item</li>");  
});  
});  
</script>  
<title>append text and list</title>  
</head>  
<body>  
<button id="btn1">append text</button>  
<br/>
```

```

<button id="btn2">append item</button>
<p id="a">hello</p>
<ol>
<li>item1</li>
<li>item2</li>
<li>item3</li>
</ol>
</body>
</html>

```

10. Html and text

```

<html>
<head>
<title>html and text</title>
<script src="jquery-1.10.2.js"></script>
<!--<script src="jQuery.Validate.min.js"></script>
<script src="jquery.transit.min (1).js"></script>-->
<script>
$(document).ready(function(){
$("#btn1").click(function(){
alert("text" + $("#a").text);
});
$("#btn2").click(function(){
alert("html" + $("#a").html);
});

```

```

});
</script>
</head>
<body>
<p id="a">this is sum <b>of</b> numbers</p>
<button id="btn1">show text</button><br/>
<button id="btn2">show html</button>
</body>
</html>

```

11. JQuery

```

<html>
<head>
<script src="jquery-1.8.3.min.js"></script>
<!--<script src="jQuery.Validate.min.js"></script>
<script src="jquery.transit.min (1).js"></script>-->
<title>Untitled Document</title>
<script>
$(document).ready(function(){
$("#a").click(function(){
$(this).css("background-color","red");
});
$("#b").dblclick(function(){
alert("hello");
});

```

```

$("#c").mouseenter(function(){
$(this).css("color","blue");
});
$("#d").mouseenter(function(){
$(this).hide();
});
$("#e").mouseenter(function(){
$("#f").slideToggle();
});
});
</script>
</head>
<body>
<div id="a" style="height:50px; width:200px; border:solid">a</div>
<div id="b" style="height:50px; width:200px; border:solid">b</div>
<div id="c" style="height:50px; width:200px; border:solid">c</div>
<div id="d" style="height:50px; width:200px; border:solid">d</div>
<div id="e" style="height:50px; width:200px; border:solid">e</div>
<div id="f" style="height:50px; width:200px; border:solid;
display:none">f</div>
</body>
</html>

```

12. console log

```
console.log(5 + 6);
```

13. js objects

```
<script>
var person = {
    firstName : "John",
    lastName  : "Doe",
    age       : 50,
    eyeColor  : "blue"
};

document.getElementById("demo").innerHTML =
person.firstName + " is " + person.age + " years old.";
</script>
```

14. typeof operator

```
Typeof 1 // number
Typeof %abc+//string
```

15. length of variable

```
var str = "hello";
var len = str.length;
```

16. Input from form

```
<script>
var a=form1.value1.value;
document.write(a);
```



```
</script>
<form name=#form1+action=#>
<input type=#text+name=#value1>
</form>
```

-----end-----

PHP . Hypertext Preprocessor

Implode function

Implode function is used to join elements of an array with a string

Example :-

```
<?php
$arr = array('I am Mohit');
echo implode('',$arr);
?>
```

Explode function

It is used to split a string by a specified string into pieces i.e. it breaks a string into an array.

Example :-

```
<?php
$str = 'I am Mohit';
print_r(explode('',$str));
?>
```

Date function

date(format, timestamp)

Get Simple Date

d . Represents the day of the month (01 to 31)

m . Represents a month (01 to 12)

Y . Represents a year (in four digits)

l(Lowercase \pm q) . Represents the day of the week

Get Simple Time

h . 12-hour format of an hour with leading zeros(01 to 12)

i . Minutes with leading zeros (00 to 59)

s . Seconds with leading zeros (00 to 59)

a . Lowercase Ante meridiem and Post meridiem (am or pm)

Example 1 : -

```
<?php
echo %Today is %date(%%/m/d+).+<br>+;
echo %Today is %date(%%-m-d+).+<br>+;
echo %Today is +date(%+);
?>
```

Example 2 : -

```
<?php
echo %The time is +date(%b:i:sa+);
?>
```

Create a Date with PHP mktime()

mktime(hour, minute, second, month, day, year)

Example : -

```
<?php
$d = mktime(11, 14, 54, 8, 12, 2014);
echo %Created date is %date(%%-m-d h:i:sa+, $d);
?>
```

PHP strtotime()

The PHP strtotime() function is used to convert a human readable string to a Unix time.

Strtotime(time, now)

Example 1 : -

```
<?php
$d = strtotime('10:30pm April 15 2014');
echo 'Created date is ' . date('%m-m-d h:i:sa', $d);
?>
```

Example 2 : -

```
<?php
$d = strtotime('tomorrow');
echo date('%m-m-d h:i:sa', $d);

$d = strtotime('next Saturday');
echo date('%m-m-d h:i:sa', $d);

$d = strtotime('3 Months');
echo date('%m-m-d h:i:sa', $d);
?>
```

Include() function

The include (or required) statement take all the text/code/markup that exists in the specified file and copies it into the file that uses the include statement.

Required will produce a fatal error (E_COMPILE_ERROR) and stop the script

Include will only produce a warning (E_WARNING) and the script will continue

Example 1 : -

[A.php](#)

```
<?php
```

```
echo %ello+;  
?>
```

b.php

```
<?php  
echo %y+;  
include %a.php+;  
echo %y+;  
?>
```

Example 2 : -

A.php

```
<?php  
$color = %ed+;  
$car = %BMW+;  
?>
```

b.php

```
<?php  
include %a.php+;  
echo %d have a $color $car+;  
?>
```

Array

```
<?php  
$cars = array(%maruti+, %BMW+, %ano+);  
echo $cars[0];  
echo $cars[1];  
echo $cars[2];  
#get length of array  
echo count($cars);  
?>
```

Associative Array

Associative array are the arrays that use named keys that we assign to them

These are two ways to create an associative array

Example : -

```
<?php
$age = array(%amit=>+35+, %mohit=>+25+, %ohit=>+37+);
echo $age[amit];
# or
$age1[amit] = 34;
$age1[mohit] = 78;
echo $age1[amit];
?>
```

For each loop

The foreach loop looks only on array, and is used to loop through each value pair in the array

Example : -

```
<?php
$color=array('red','green','black');
foreach($color as $val)
{
echo "$val<br/>";
}
?>
```

Dump function

```
<?php
$a=8;
$b='mohit';
$c=56.9;
echo '<h4>Data type of variable a</h4>';
var_dump($a);
echo '<h4>Data type of variable b</h4>';
var_dump($b);
echo '<h4>Data type of variable c</h4>';
var_dump($c);
?>
```

Exponential

```
<?php
#3e4 == (3*10^4)
echo $a= 3e4;
echo '<br/><br/>';

$a='hello';
$b=$a."world"; #a=hello b=helloworld
echo "$a and $b";
echo '<br/><br/>';

$a='hello';
$b=$a.="world"; #a=helloworld b=helloworld
echo "$a and $b";
?>
```

Stop execution of script

```
<?php
echo %hello+;
exit();
echo %by+;
```

String functions

```
<?php
$a="hello world";
echo 'Enter a string<br/>';
echo $a;
echo "<br/>Length of entered string is ",strlen($a);
echo "<br/>World String Position function",strpos($a,'world');
?>
```

Static variable

```
<?php
$x=5; //global variable
function a()
{
```

```

$a=1; //local variable
static $b=1; //static variable
//echo $x;
echo "$a $b hello<br/>";
$b++;
}
echo "$x<br/>";
//echo $a;
a();
a();
a();
a();
?>

```

Session functions

1. `$_SESSION[abc]`; //session variable
2. `session_start()`; //start session in a page
3. `session_destroy()`; // destroy session

Get form contain value

`basics`

Quiz.php page have `$testid` variable which have value 1 if you include `extract($_GET)`; in this page;

Readfile

```

<?php
echo readfile("webdictionary.txt");
?>

```

Global variable access

```

<?php
$x = 75;

```

```
$y = 25;
function addition() {
    $GLOBALS['z'] = $GLOBALS['x'] + $GLOBALS['y'];
}
addition();
echo $z;
?>
```

PHP \$_REQUEST FUNCTION

```
<form method="post" action="<?php echo $_SERVER['PHP_SELF'];?>">
    Name: <input type="text" name="fname">
    <input type="submit">
</form>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // collect value of input field
    $name = $_REQUEST['fname'];
    if (empty($name)) {
        echo "Name is empty";
    } else {
        echo $name;
    }
}
?>
```

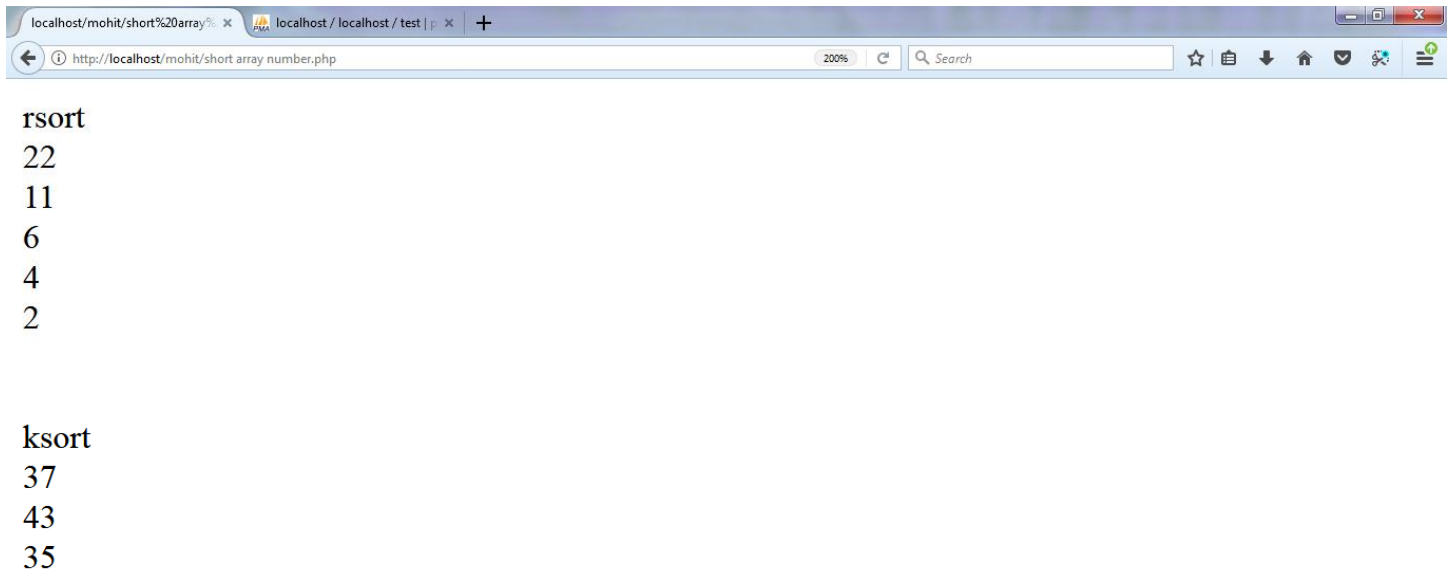
Short array number

```
<?php
$numbers = array(4, 6, 2, 22, 11);
echo "rsort<br>";
rsort($numbers);
$arlength = count($numbers);
for($x = 0; $x < $arlength; $x++) {
    echo $numbers[$x];
    echo "<br>";
}
?>
<!--Sort Array (Ascending Order), According to Key - ksort()
-->
<?php
```



```
echo "<br><br>ksort<br>";
$page = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");
ksort($page);
foreach ($page as $key) {
    # code...
    echo "$key<br>";
}
?>
```

Output



Unset function

```
Unset($_POST[abcd]);
```

```
Unset($_SESSION[abcd]);
```

Database

Php form handling

Form.html

```
<html>
<head>
<title>Untitled Document</title>
</head>
<body>
<form action="welcome.php" method="post">
Name : <input type="text" name="name" /><br />
Email : <input type="text" name="email" /><br />
<input type="submit" />
</form>
</body>
</html>
```

Welcome.php

```
<html>
<head>
<title>Untitled Document</title>
</head>
<body>
welcome <?php echo $_POST['name'] ?>. Your Email is <?php echo
$_POST['email'] ?>.
</body>
</html>
```

PHP form validation

Validation of form is done to protect the form from hackers and spammers.

Validation Rules : -

Name Must only contain a letters & whitespaces

Email Must contain a valid Email address

Website must contain a URL

Comment multiline Input field

Gender must select one.

The form element

The form tag is used to design forms. All the text field button, radio button etc comes under the form tag.

```
<form method = post+action=?php echo  
htmlspecialchars($_SERVER['PHP_SELF']);?>
```

\$_SERVER["PHP_SELF"]

It is a super global variable that return the filename of the currently executing script. It sends the submitted form data to the page itself instead of jumping to a different page.

htmlspecialchars() function

It converts special characters to HTML entities. It means that it will replace HTML characters like < and > with < >. This prevents hackers from exploiting the code.

How to validate form data

The 1st thing we will do is to pass all the variables through PHP's htmlspecialchars() functions. It converts the special characters to HTML entities.

Eg. `<script>location.href(www.rediff.com)</script>`

It would look like:

`< script > location.href(www.rediff.com) < /script >`

We will do two more things when a user submits the form:

- (1) strip unnecessary characters (extra space, tab, newline) from the user input data using the PHP trim() function.
- (2) Remove backslashes (\) from the user input data with the PHP stripslashes() function.

Example

```
<!DOCTYPE html>
```

```

<html>
<head>
    <title></title>
</head>
<body>
<?php
$name=$email=$gender=$comment=$website="";
if($_SERVER["REQUEST_METHOD"]=="POST"){
    $name=test_input($_POST["name"]);
    $email=test_input($_POST["email"]);
    $gender=test_input($_POST["gender"]);
    $comment=test_input($_POST["comment"]);
    $website=test_input($_POST["website"]);
}

function test_input($data){
    $data=trim($data);
    $data=stripslashes($data);
    $data=htmlspecialchars($data);
    return $data;
}
?>

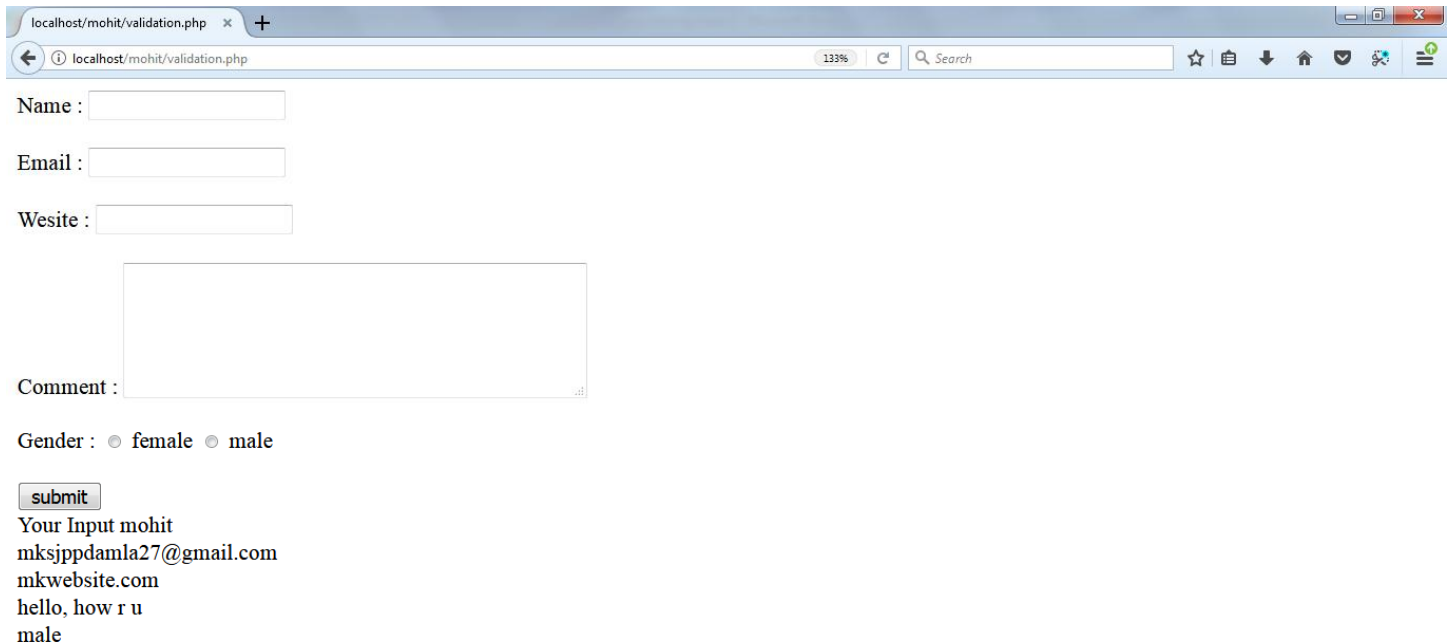
<form method="post" action="<?php echo htmlspecialchars($_SERVER['PHP_SELF']);
?>">
Name : <input type="text" name="name"><br><br>
Email : <input type="email" name="email"><br><br>
Website : <input type="text" name="website"><br><br>
Comment : <textarea name="comment" rows="5" cols="40"></textarea><br><br>
Gender : <input type="radio" name="gender" value="female"> female <input
type="radio" name="gender" value="male"> male <br><br>
<input type="submit" name="submit" value="submit">
</form>

<?php
echo "Your Input ";
echo "$name<br>";
echo "$email<br>";
echo "$website<br>";
echo "$comment<br>";
echo "$gender<br>";
?>
</body>

```

</html>

Output



The screenshot shows a web browser window with the address bar displaying 'localhost/mohit/validation.php'. The page content shows the output of a form submission. It includes labels for 'Name', 'Email', and 'Website' followed by empty input fields. Below these is a large text area for 'Comment'. Further down, there is a 'Gender' section with radio buttons for 'female' and 'male'. A 'submit' button is present. The output text below the form reads: 'Your Input mohit', 'mksjppdamla27@gmail.com', 'mkwebsite.com', 'hello, how r u', and 'male'.

Empty function

PHP has empty() function to check wheither the value of a variable is empty or not.

Example

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Untitled Document</title>
</head>

<body>
<?php
$nameerr=$emailerr=$gendererr="";
$name=$email=$gender=$comment=$website="";
if(empty($_POST["name"])){ //check either name field is empty or not
$nameerr="Name is Required ";
}
```

```

else{
$name=test_input($_POST["name"]);
}

if($_SERVER["REQUEST_METHOD"]=="POST"){
    //$name=test_input($_POST["name"]);
    $email=test_input($_POST["email"]);
    $gender=test_input($_POST["gender"]);
    $comment=test_input($_POST["comment"]);
    $website=test_input($_POST["website"]);
}

function test_input($data){
    $data=trim($data);
    $data=stripslashes($data);
    $data=htmlspecialchars($data);
    return $data;
}
?>

<form method="post" action="<?php echo htmlspecialchars($_SERVER['PHP_SELF']);
?>">
Name : <input type="text" name="name"><br><br>
Email : <input type="email" name="email"><br><br>
Website : <input type="text" name="website"><br><br>
Comment : <textarea name="comment" rows="5" cols="40"></textarea><br><br>
Gender : <input type="radio" name="gender" value="female"> female <input
type="radio" name="gender" value="male"> male <br><br>
<input type="submit" name="submit" value="submit">
</form>

<?php
echo "Your Input ";
echo "$name<br>";
echo "<font color='red'>$nameerr</font><br>";
echo "$email<br>";
echo "$website<br>";
echo "$comment<br>";
echo "$gender<br>";
?>
</body>
</html>

```

Output

Untitled Document

http://localhost/mohit/empty function.php

Name :

Email :

Website :

Comment :

Gender : ☐ female ☐ male

Your Input

Name is Required

mksjppdamla27@gmail.com

mkwebsite.com

hello, how r u

male

Mysqlseek function

```
<?php
$conn = mysql_connect("localhost","root",""); //connect with server
mysql_select_db("test"); //select database
$rs=mysql_query("select *from std"); //query
mysql_data_seek($rs,2); //start from row no. 2
$row = mysql_fetch_array($rs); // get value from database
echo $row[0]; //show value from db
?>
```

True False Condition

```
<?php
$rs=mysql_fetch_array(mysql_query("select *from addsub where sub='$addsub'"));
if($rs==true){
echo %true+;
}
else{
echo %false+;
}
```

Select any input tag

```

<html>
<head>
<title>select any tag</title>
<?php
$conn=mysql_connect("localhost","root","");
mysql_select_db("naam",$conn);
if(isset($_POST['smt'])){
if($_POST['smt']=="save"){
echo "Saved";
}
else{
mysql_query("update addsub set test='$_POST[addtest]' where
sub='$_POST[subid]'");
echo $_POST['addtest']." of ".$_POST['subid'];
}
}
?>
</head>
<body>
<form method="post" action="#">
<select name="subid">
<option value="java">Java</option>
<option value="cip">cip</option>
</select>
<input type="text" name="addtest" />
<input type="submit" value="Submit" name="smt"/>
<input type="submit" value="save" name="smt"/>
</form>
</body>
</html>

```