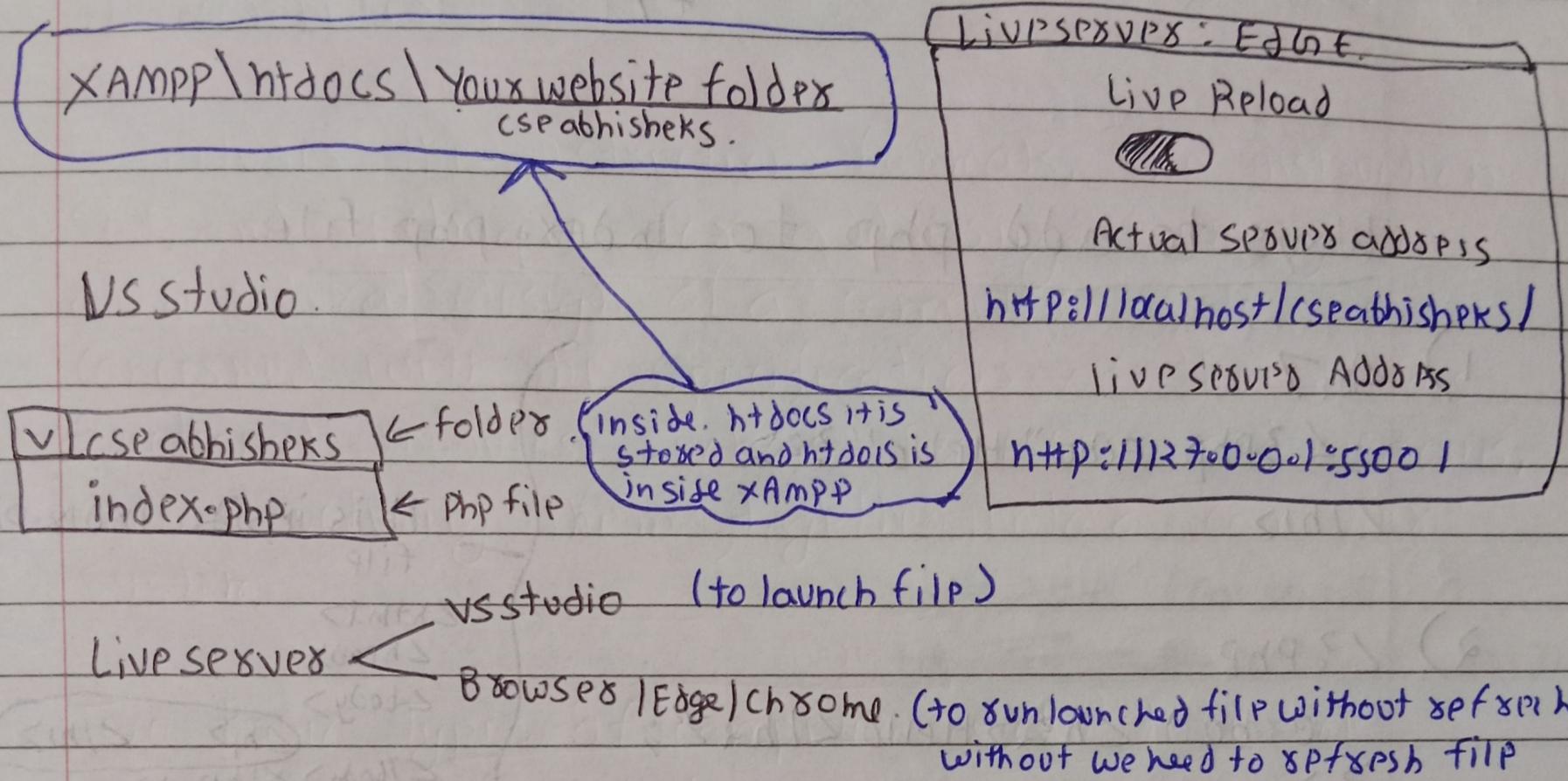


XAMPP :- locally host a website on your computer to run and test website before deploying the website to a live server.



XAMPP Control Panel	
Module	Action
Apache	Stop → must first start (to launch PHP on browser)
MySQL	start
Filezilla	Start
Mercury	Start
Tomcat	Start

singleline
Comment multiline

Hello
// Hello

Hello ji
whatsup
+/-

Ways to add php to index.php file

1) <?php

<?php echo "Hello" ?>

?>

2) <?php

echo "<?>Hello</?>";
?>

3) <?php

echo "Hello";

?>

It is inside index.php file

<html>
<head>
<body>
<h1> </h1>
</body></head>
</html>.

Variable :- start with \$, second character can be any alphabet and rest characters can be anything.

1) \$name = "Abhishek"

String(8)"Abhishek" <var_dump(\$name)

2) \$age = 19

Int(19) <var_dump(\$age)

3) \$marks = 84.987

float(84.987) <var_dump(\$marks)

4) \$ismarried = True

boolean(true) <var_dump(\$ismarried)

Point

echo "name".\$name."age".\$age;
• is used to write multiple things in same echo

1) echo "Hello"

2) echo "<?>" // break and move to next line == \n

3) echo "my name is ". \$name; // my name is abhishek

• with variable to get its value in same echo

4) \$a = 2

+, -, 1, 0), *, ++, --, ~~**~~
>, <, >=, <=, ==, ! (Power)

\$b = 3

88, 11, 6

echo \$a + \$b || 5

echo \$a * \$b || $2^3 = 8$

5) \$a != \$A

String function.

\$name = "Abhishek"

strupr(\$name); String

strxfrm("WB", "Ab", \$name); ~~only WB~~ (case sensitive)strlwr("WB", "Ab", \$name); ~~and not WB~~ WB (case insensitive)

strtoupper(\$name); ABHISHEK

strtolower(\$name); abhishek.

ucwords(\$name); Abhishek Kumar Singh

ucfirst(\$name); Abhishek Kumar Singh

Math function

\$num = 30

is_int(\$num); || 30

is_float(\$num); || 30.12, 30.0

is_numeric(\$num); || 30, 30.12, "30", 3000

String but number too

pi() || 3.14159...

abs(-76) || 76

sqrt(100) || 10

round(30.49) || 30

2304 → 23, 2305 → 24

(S2)

rand() || 1583815805

rand(1, 100) || 61 (6/w 1 and 100)

Conditional Statement

1) `$age = 0;
if ($age >= 18) {
 echo "Vote";
}
else {
 echo "No";
}`

(If-Else)

2) `$grade = "B";`

`switch($grade) {
 case "A": echo "Excellent";
 break;
 case "B": echo "Good";
 break;
 default: echo "Invalid";
}`

Switch

break important if
not than after condition
true all below condition will
also become true.

Loop

1) `for ($i = 0; $i < 10; $i++) {
 echo "Hello $i
};`

3) `do {
 echo "Hello";
} while ($y <= 5);`

2) `while ($i <= 10) {`

`$students = array(`
`"Rohitid" => array ("name" => "wasim", "class" => "BRA"),
);`

for each / Value as \$K => \$V;
 Date: echo \$K;
 Day: echo \$V;
 (S)

Array

`$fruits = array("apple", "orange", "banana");`

`echo $fruits[0] // apple.`

size => `echo count($fruits); // 3`

foreach => `foreach ($fruits as f) {`

`echo $f. "
";`

`}`

// apple
 // orange
 // banana

(size of array)

`foreach ($fruits as f) {` // a
`echo $f[0] . "
";` // o
`}` // b

`print_r($fruits);` // array ([0] => "apple", [1] => "orange", [2] => "banana")

Array function

1) `array_push($fruits, "coconut", "Mango");` // add at last
(stack)

`// $fruits = array ("apple", "orange", "banana", "coconut", "mango");`

2) `array_pop($fruits)` // remove from last
(stack)

`// $fruits = array("apple", "orange", "banana", "coconut");`

3) `array_shift($fruits)` // remove from front

`// $fruits = array("orange", "banana", "coconut");`

4) `$xpvt = array_splice($fruits);` // (1) option new & push array which to
`// $fruits = array("orange", "banana", "coconut");` bp stored in
`// $xpvt = array ("coconut", "banana", "orange");` another variable

& Wpractise echo to print array

Date: _____
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(HashMap) Associative Array

Array with Key \Rightarrow Value Pairs

```
var dump($employees);  
array(3){  
    $employees = array(  
        "wasim" => "SE",  
        "rama" => "WD",  
        "joy" => "AA"  
    );  
}  
  
String(2) "SE"  
[wasim] =>  
String(2) "WD"  
[rama] =>  
String(2) "AA"  
[joy] =>  
  
$employees = array(  
    "SE"  
    "rama" => "WD"  
    "AA"  
);
```

```
Point-$($employees);  
array(  
    [wasim] => "SE"  
    [rama] => "WD"  
    [joy] => "AA"  
);
```

```
array(  
    [0] => "SE"  
    [3] => "WD"  
    [4] => "AA"  
);
```

```
$employees = array(  
    "SE"  
    "rama" => "WD"  
    "AA"  
);
```

```
array(  
    [0] => "SE"  
    [1] => "WD"  
    [2] => "AA"  
);
```

```
foreach ($employees as $k => $v) {  
    echo "Name : ". $k . '<br>' . "work" . $v;  
}
```

Name : wasim

work : SE

Name : rama

work : WD

Name : joy

work : AA

```
foreach ($employees as $P) {
    echo "WORK: " . $P . "</b>" ;
}
```

```
11 SE WORK: SF  
WD WORK: WD  
AA WORK: AA
```

Functions : Associative Array

1. \$keys = array-keys (\$employees);

```
Array (
    [0] => wasim
    [1] => rama
    [2] => joy
)
```

2. \$values = array-values (\$employees);

```
Array (
    [0] => SF
    [1] => WD
    [2] => AA
)
```

3. \$empl = array-flip (\$employees); // Key become value and value becomes key.

```
Array (
    [SF] => wasim
    [WD] => rama
    [AA] => joy
)
```

4. \$emp = array-reverse (\$employees); // array get reverse.

```
Array (
    [Joy] => 'AA'
    [rama] => 'WD'
    [wasim] => 'SE' )
```

User defined function

- function hello() { (void function)

echo "namaste ji";

}

- function sum(\$a, \$b) { (int function)

return \$a + \$b;

}

if (\$z = sum(8, 7))

echo \$z; 1115

empty(\$x) vs isset(\$x)

on 1 \$x = 0 ;

\$x = null ;

\$x ;

\$x = 0 ;

\$x = 'null' ;

\$x = 'abhishesh' ;

sh \$x = 'null' ;

thiy. \$x = 'abhishesh' ;

\$x = null ;

\$x ;

HTTP REQUEST

\$_GET

- data is appended to URL
- not secure
- Char limit (depends on browser (2000 characters))
- bookmark is possible with values
- get request can be cached
- better for a search page

\$_POST

- data is packaged inside body of HTTP request
- More secure
- No data limit
- can not bookmark
- better for submitting data in DB
- Better for submitting super complicated and user login info

\$_GET, \$_POST are :- Case sensitive and Part of PHP

PHP special (super global) variables used to collect data from HTML form, when data is sent to a file via action attribute in the <form> tag

global variable written in uppercase

* get, Post are methods part of HTML and case insensitive

<form action = "index.php" method = "post">

<div> <label> Username </label> It will display on website
 <input type = "text" name = 'u-name'>

</div>

<div>

<label> Phone no </label>

<input type = "number" name = "Phone">

</div>

Simplified button
Submit

<div>

<button type = "submit" name = "Sm"> Button </button>

</div>

<form>

PHP print_r(\$_POST); // all input containing name attribute will be printed as [index] of array

It is non customizable

we can change inner text and format

` home `

`<?php`

`print_r($_POST); // $_POST act as associative array
?>`

`Output`

`Array ([name] => abhishek
[Phone] => 9311450431
[sm] => nothing.)`

`Radio button (single option out of many)`

`<input type='radio' name='course' value='Btech'> Btech / course
<input type='radio' name='course' value='BA'> BA / course
(must be same)`

value attribute is given as
no data is inputted by user
on click this tag gets checked

`Check box (Many option can be chosen)`

`way: <input type='checkbox' name='Subject[]' value='m'> math
<input type='checkbox' name='Subject[]' value='P'> English`

`<?php print_r($_POST);?>`

`Output`

`[Subject] => Array (`

`[0] => m`

`[1] => P`

`↓ position wise top to bottom rather than
chosen with [click]`

2 way : <input type='checkbox' name='mat' value='m'> Maths

<input type='checkbox' name='sub' value='p'> English

<?php print_r(\$_POST) ?>

|| output

[mat] => m

[sub] = p

Wrong way to select

this concept work on
every input tag except
radio button as for
radio button
name should
be same

<input type='checkbox' name='subject' value='m'> Maths

<input type='checkbox' name='subject' value='p'> English

<?php print_r(\$_POST) ?>

|| output

[subject] = p || Only last position chosen element will be
selected.

* name become index and value become value.

[Key, Value]

[name, value]

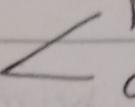
<div> <input type='text' name='message'> ~~Radhe Radhe~~ </div>

\$POST['message'] = ~~\$_POST['message']~~ "Radhe Radhe";

\$GET['message'] = "Radhe Radhe";
Inside input.

* both Post and get out as associative array

date -> date('Y-m-d h:i:s a');
 date('Asia/Kolkata');
 || 2024-10-24 12:58:2 PM
 y-24 h=1
 Y-2024 H=13
 Date:
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connection to DB

 propositional approach
 object-oriented approach

XAMPP Control Panel

Module	Actions
Apache	Stop
MySQL	Stop
Filezilla	Start
MySQL	Start
Tomcat	Start

both should break

open:- localhost/phpmyadmin/

PHP creates database. "abhiyumi"

<?php

\$servername = 'localhost';

\$username = 'root';

\$pswod = '';

\$db = "abhiyumi";

~~* avoid warning~~

```

$cn = mysqli_connect($servername, $username, $pswod, $db);
if ($cn) {
  echo "connected";
}
else {
  echo "connection failed";
}
  
```

else {

```

echo "error due to:". mysqli_connect_error();
else {
  echo "connected successfully";
}
  
```

}

* Update, DPLPTP command is same as INSPST

include ("con-PHP"); // include other file in your file

Insert

```
$d = date('Y-m-d h:i:s');
$s = "insert into USP8S(name, date-time) values ($name, $d)";
case insensitive.
$e = mysqli_query($con, $s);
if ($e) {
    echo "OK";
}
else {
    echo "Error: " . mysqli_error($con);
}
```

not double quoted
 Single literals must
 be double quoted
 string put in ' ' or
 enum

INSP

```
echo "Error: " . $con->error;
```

SELECT

```
$sql = "select * from USP8S";
$data = mysqli_query($con, $sql); // $data = $con->query($sql);
$total_rows = mysqli_num_rows($data); // count total row in table
echo $total_rows // 9
```

if (\$total_rows != 0) {

\$row = mysqli_fetch_assoc(\$data); // fetch data one by one

while (\$row) {

print_r("id: " . \$row['id'] . " date: " . \$row['date']);
 // id: 1 date: 2024-10-16 06:24:29

print_r(\$row);

Array (

[id] => 1

[date] => 2024-10-16 06:24:29)

3 \$row = mysqli_fetch_assoc(\$data); // update and go to next row

\$ EncryptPass = md5(\$ Password); || Encrypt the password
MD5 = 1234567890123456
MD5 = 1234567890123456
Every time same encrypted to same value

Date: _____
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Session_Start(); || Inside con.php so that it runs b/w where
\$_SESSION['name'] = 'Hello World'; || can be used in any PHP
unset(\$_SESSION['name']); file, globally across whether include index.php is used.

headers ("location: pass.php");
is written with location without whitespace.
file to go

Session_Destory(); || Destory Session used for log out

headers ("Location: ". \$_SERVER['PHP_SELF']), { This is used to avoid

SQL submission of data.
means same data inserted in database after refresh
so to avoid this we use it.

Prevent accident data manipulation via URL with get parameter

Remove in PHP

 Delete row
<?php

include("server.php");
\$id = \$_GET['id']; ← Story: initial value.
\$sql = "DELETE from messages where name = '\$id'";

\$send_data = mysqli_query(\$connection, \$sql);

if (\$send_data){

Echo "data deleted";

}

?>

ECHO "Error due to ". mysqli_error(\$connection);

3

?>