Complete Php Course Pdf Files Ducat 2020 (Create by Kapil Sir)

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PHP Course 2020 Ducat Noida

PHP: PHP stands for hypertext preprocessor. It is an open source server side scripting language which is used for developing 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 (linux) 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
Run (browser)
http://localhost/06pm/first.php
or
localhost/06pm/first.php
Tags(Delimiters)
1 standard tag
php</td
?>
2 short tag
</td
?>
3 Asp tag
<%
%>

for output on screen

```
echo
  * fast processing
  * it can execute multiple statement
    echo "","","";
    echo "Hello", "Ducat";
print
  * slow processing
  * it can execute only single statement
   e.g.
    print "";
    print "Hello";
concatination(.)
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 used for hold the information. the value of variable can vry(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 according to variable
value.
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.

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";
```

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

Operators: It is a special symbol whose meanings are predefined. They work according to their predefined meaning.

Type of Operators

```
1 Arithmetic Operator
```

- + Addition
- Substraction
- * Multiplication

/ Division

% Modulus

```
e.g.

$a = 10;

$b = 3;

$c = $a+$b;  // output 13

echo $c;

$c = $a/$b;  // output 3

$c = $a%$b;  // output 1
```

2 Assignment Operator

It used for shift the value from right side to left side

= += -= *= /= %=

e.g.

\$a = 5; \$b = 2;

\$a = \$a+\$b or \$a += \$b;

\$a = \$a-\$b; \$a -= \$b;

3 Comparision Operator

== match only value === match value and data type != match only value !== match value and data type

\$a = 5; \$b = "5"; \$a == \$b; \$a === \$b;

```
4 Increment Operator
  ++ Increment By 1
  -- Decrement By 1
 $a = 5;
 $a++;
echo $a; // Output 6
$a = 5;
 ++$a;
echo $a; // Output 6
 $a = 5;
 echo $a++; // Output 5
 echo $a; // Output 6
 $a = 5;
 echo ++$a; // Output 6
 echo $a; // Output 6
 $a = 5;
 $a++;
 echo $a; // Output 6
 echo --$a; // Output 5
 echo $a; // Output 5
```

5 Relational Operator

```
> Greater than
```

>= Greater than equal too

< Less than

<= Less than equal too

```
e.g.
```

\$a = 5;

\$b = 5;

\$a >= \$b;

6 Logical Operator

&& AND

|| OR

! NOT

(\$a>\$b && \$a>\$c) Both Condition True

(\$a>\$b || \$a>\$c) At Least One Condition True

7 Conditional Operator

Ternary Operator

Question Colon Operator

syntax

(condition? "True Statement": "False Statement")

e.g.

\$a = 5;

b = 3;

```
echo ($a>$b? "A is Greater": "B is Greater");
Conditional Statement
1 if
2 if else
3 if else if
4 switch case
Q wap to store a 3 digit number in a variable, check that number is palindrome or not?
$no = 134;
Q wap to store 3 digit number in a variable, check that is it armstrong or not?
$no = 153
Loop: Loop is used for execute same statement multiple times.
Types
1 for
```

```
syntax
for(initialize; condtion; inc/dec)
{
  code
}
 e.g
for($i=1; $i<=5; $i++)
  echo "Hello";
 }
e.g
for($i=5; $i>=1; $i--)
  echo "Hello";
}
2 while
  syntax
  initialization;
```

while(condition)

code inc/dec

}

```
e.g.
  $i=1;
 while($i<=5)
   echo "Hello";
   $i++;
 }
3 do while
syntax
  intitialization
 do
 {
   code
   inc/dec
 }while(condition)
  e.g.
```

Q Wap to print factorial of a given number. \$no = 5;

```
Q. wap to print fibonacci series upto 10 numbers.
0112358......
Q. wap to check that given number is palindrome or not.
$no = 121;
Q. wap to check that given number is armstrong or not?
$no = 153;
Jump Statement
1 break
2 continue
3 exit
****
***
****
```

abcd abcd abcd

Q write a program to print prime number upto 100;

Q write a program to print table till given number.
\$no = 4;
1
2
3
4
*
**

*

*
*
*
*
*

*

*

*

*

* *

* *

* *

* *

* *

* *

*

* *

* *

*

*

(i,j)

(1,1) (1,2) (1,3) (1,4) (1,5)

* * * * *

(2,1) (2,2) (2,3) (2,4) (2,5)

* * * * *

(3,1) (3,2) (3,3) (3,4) (3,5)

* * * * *

(4,1) (4,2) (4,3) (4,4) (4,5)

* * * * *

(5,1) (5,2) (5,3) (5,4) (5,5)

* * * * *

n=3

{*}

{{*}}

{{{*}}}}

n=4

{*}

{{*}}}

{{{*}}}}

{{{{*}}}}}

n=3

n=4

```
_____
 Array: Array is a collection of element, which used for store multiple value in single
location
type of array
1 index array (numbered array)
2 associative array
3 multidimensional array
1 Index array
In this array index(keys) of array always in numeric value and it start from 0
syntax
  array name = array(value,value,value,value);
      or
  array name = [value,value,value,value];
e.g.
  $arr = array(45,"red",82.6);
    or
  $arr = [45,"red",82.6];
   or
  $arr[0] = 45;
  $arr[1] = "red";
```

```
$arr[2] = 82.6;
  echo $arr[0];
size of array
  sizeof(arrayname)
  count(arrayname)
  echo sizeof($arr);
print_r(arrayname); print array index and values
2 Associative Array
In this array index(keys) of array can alpha or numeric or alphanumeric
syntax
  arrayname = array('index'=>'value','index'=>'value')
    or
  arrayname = ['index'=>'value','index'=>'value'];
e.g.
  $arr = array('a'=>'red','8'=>'95.6','c3'=>'99');
    or
  $arr = ['a'=>'red','8'=>'95.6','c3'=>'99'];
    or
```

```
$arr['a'] = 'red';
  $arr[8] = 95.6;
  $arr['c3'] = 99;
3 Multidimensional array
  Array within array is called multidimensional array
  $arr = array(array(4,5,6),array(7,8,9));
      or
  $arr = [[4,5,6],[7,8,9]];
  echo $arr[0][1];
  $arr =
['India'=>['capital'=>'Delhi','currency'=>'Ruppee'],'USA'=>['capital'=>'Washington','curr
ency'=>'Dollar'],'Pakistan'=>['capital'=>'Islamabad','currency'=>'Ruppee']];
  or
```

\$arr['India']['capital'] = "Delhi";

File Handling: It is a process in which we can store and read information in files and folders.

```
scandir("directory name") // scan directory and store all names in array
mkdir("directory name") // make directory
rmdir("directory name") // remove directory
is_dir("directory name") // check directory exist or not
touch("filename.ext") // create filename
unlink("filename.ext") // remove filename
file_exists("filename.ext") // check file exist or not
fopen("filename.ext","mode");
mode: w,r,a;
Write
$fo = fopen("abc.txt","w");
fwrite($fo,"Data"); // write data in file
fputs($fo,"Data"); // write data in file
Read
$fo = fopen("abc.txt","r");
fread($fo,3); // read file until given number of characters
filesize("filename.txt") // count number of characters in file
fread($fo,filesize("abc.txt")) // read whole file
```

```
fgets($fo) // read line by line
fgetc($fo) // read char by char
while(!feof($fo))
echo fgetc($fo);
 echo "<br>";
}
file_put_contents("xyz.txt","Delhi\nNoida"); // create file if not exist, open file in w
model and write data
file_get_contents("xyz.txt"); // open file in r mode and read whole file
fclose($fo) // close file
State Management: It used for move information from one location to another location.
1 Session (Server Side)
```

```
2 Query String (Client Side)
```

- 3 Hidden Fields (Client Side)
- 4 Cookies (Client Side)

1 Session: It work Server Side so It is more Secure, It used for track the information untill we found session environment, by default session time out is 24 minutes.

```
* start
session_start();

* create

$_SESSION['session name'];
e.g.

$_SESSION['user'] = 'abc@gmail.com';

* Read

$_SESSION['session name'];
e.g.
echo $_SESSION['user'];

* Destroy
session_destroy(); // destroy all session

unset($_SESSION['session name']) // destroy particular session
e.g.
unset($_SESSION['user']);
```

2 Query String: It used for move information from one page to another page by url

```
Send
```

```
<a href="abc.php?obj=123&&obj2=321">Click</a>
or
header("location:abc.php?obj=123&&obj2=321");
```

Receive

```
$_GET[];
$_REQUEST[];

echo $_GET['obj'];
echo $_GET['obj2'];
```

3 Hidden Field: It is a form input field which used for store the information. It does not display on web page but we can access the information of hidden field

```
<input type="hidden" name="" value="">
```

4 Cookies: cookies are the text files which store on browser. it used for store small information. The maximum size of theses files 4kb.

20 cookies can create on system by single website.

300 cookies can store on browser

Type of Cookies

```
Persistence (Permanent)
Non Persistence(Temporary)
```

^{*} create cookie

```
setcookie("cookie name","value") Non Persistence
 setcookie("cookie name", "value", "time") Persistence
 e.g.
 setcookie("useremail", "abc@gmail.com") Non Persistence
 setcookie("useremail", "abc@gmail.com", time()+60*60) Persistence
* Read
 $_COOKIE['cookie name'];
 e.g.
 echo $_ COOKIE['useremail'];
* Destroy
 setcookie("useremail","",time()-60*60)
```

File uploading (single and multiple files uploaded)

File Uploading: it is a process to upload file on server. when we upload file on server, first it goes in temporary folder. By default upto 2Mb file can upload.

There are five super global array varibales which used for read file information

```
1 File name : $_FILES['fieldname']['name'];
```

```
2 Temporary Name of File: $_FILES['fieldname']['tmp_name'];
3 Size Of File
                            :
                                    $_FILES['fieldname']['size'];
4 Type Of File
                                    $_FILES['fieldname']['type'];
5 Error In File : $_FILES['fieldname']['error'];
move_uploaded_file(temporary name, "path/".filename);
e.g.
move_uploaded_file($_FILES['fieldname']['tmp_name'],"foldername/".$_FILES['fieldname']
']['name']);
Note: when you will code then make sure that you have create destination folder for file
(images) otherwise it will show error
With Examples: single upload files and multiple upload files:
Code is thats:
                             Single upload files ⇒
<?php
extract($_POST);
if(isset($sub))
{
       $fn = $_FILES['att']['name'];
       $tmp = $_FILES['att']['tmp_name'];
       $arr = explode('.',$fn);
```

```
$ext = end($arr);
       $ext = strtolower($ext);
       if($ext=="jpg" || $ext=="jpeg")
       {
              $fnn = rand().'.'.$ext;
              //$fnn = uniqid().'.'.$ext;
              //$fnn = rand().$fn;
              if(move_uploaded_file($tmp,"images/".$fnn))
              {
                     echo "File Upload Successfully";
              }
       }
       else
       {
              echo "Only jpg or jpeg file support";
       }
}
?>
<html>
       <head>
              <title>File Uploading</title>
       </head>
       <body>
              <form method="post" enctype="multipart/form-data">
                      Upload: <input type="file" name="att" required>
                      <br>
                      <input type="submit" name="sub" value="Submit">
              </form>
       </body>
</html>
```

Multiple uploaded files ⇒

```
<?php
extract($_POST);
if(isset($sub))
{
     $fn = $ FILES['att']['name'];
     $tmp = $_FILES['att']['tmp_name'];
    //echo "";
    //print_r($fn);
     //print r($tmp);
     //echo "";
     $i = 0;
     scount = 0;
     foreach($tmp as $t)
     {
          if(move uploaded file($t,"images/".$fn[$i]))
          {
               $count++;
          }
          $i++;
     }
     if(scount > 0)
     {
          echo "File Upload Successfully";
     }
}
```

```
?>
<html>
     <head>
           <title>File Uploading</title>
     </head>
     <body>
           <form method="post"</pre>
enctype="multipart/form-data">
                Upload : <input type="file" name="att[]"</pre>
multiple required>
                <input type="submit" name="sub"</pre>
value="Submit">
           </form>
     </body>
</html>
```

Database in PHP Course ⇒

Database: Database is a collection of data where we can store information in oragnised way. and we can retreive the information easier and faster.

Mysql: it is an open source database. which used for store the data in oragnised way.

Data Types :

```
tinyint, int, bigint, float, decimal (numeric values)

char, varchar, text, medium text ,long text
(string)

date, time, timestamp (date and time)
blob, medium blob, long blob (files)
```

Constraints (Restrictions of table fields)

- 1 primary key
 - * unique record (no duplicate record)
 - * only 1 can use in a table
 - * can not null
- 2 unique key
 - * unique record (no duplicate record)
 - * More than 1 can use in a table
 - * can null
- 3 not null
- 4 default

create table employee (eid int(11) primary key, name
varchar(255) not null, email varchar(255) unique key,
status char(1) default 'd');

```
create table employee (eid int(11) primary key
auto increment, name varchar(255) not null, email
varchar(255) unique key, status char(1) default 'd');
5 Foreign Key
     create table account(id int(11), salary int(11) not
null, foreign key(id) references employee (eid));
6 Composite Key
     create table product(cat varchar(255), subcat
varchar(255), primary key(cat, subcat));
hostname = "localhost";
username = "root";
password = "";
Database connectivity with cmd (command prompt)
* open cmd
* D: (if xampp in d drive)
* cd.. (one step back)
                          or cd\ (on root)
```

```
* cd xampp\mysql\bin
* mysql.exe -u root;
    DDL (Data Definition Language)
Create, Alter, Drop
create database dbname;
e.g create database 1230pm;
show databases (show name of all databases)
use dbname;
eg. use 1230pm;
create table.....
show tables; (show all tables name);
desc tablename;
desc employee; (description)
```

Alter

```
add column
     alter table employee add address varchar(255) not
null;
              // insert in last
     alter table employee add address varchar(255) not null
after email; // insert after email
Change data type of column
   alter table employee modify address char(50) not null;
rename column name
    alter table tablename change oldname newname datatype;
    alter table employee change name fname varchar(255);
rename table
* rename table oldname to newname;
* rename table employee to students;
Drop
drop column
     alter table employee drop address;
drop table
* drop table employee;
```

```
drop database
* drop database 1230pm;
*****************
DML (Data Manipulation Language)
insert, update, delete
Insert
    insert into employee values (1,'abc',28000);
    insert into employee (eid, fname, salary) values
(1,'abc',28000);
    insert into employee set eid=1, 'fname'='abc',
salary=28000;
    insert into employee (eid, fname, salary) values
(1, 'abc', 28000), (2, 'xyz', 45000);
Update
    update employee set salary=35000 where eid=1;
```

Delete

* delete from employee; // all record delete

```
* truncate table employee;  // all record delete

* delete from employee where eid=2; // delete
particular record
```

```
Select
select * from employee;
select eid, fname from employee;
select * from employee where eid=2;
select * from employee where eid in(4,8,9);
select * from employee where salary>25000;
select * from employee where salary between 25000 and
40000;
select * from employee where eid>5 and salary>25000;
select * from employee where eid>5 or salary>25000;
select * from employee where name like 'a%'; // first
letter a in name
select * from employee where name like ' a%';
                                                       //
second letter a in name
select * from employee where name like '%a%';
                                                       //
any where a in name
```

```
select * from employee where name like '%a'; // last
letter a in name
select * from employee order by salary;  // by default
ascending order
select * from employee order by salary desc; //
descending order
Annual Salary
select eid, fname, salary*12 from employee;
Alias
select eid,fname, salary*12 as annual salary from employee;
limit
Select * from employee limit 3; // get starting 3
records (1 to 3)
select * from employee limit 3,5; // get 5 record after
starting 3 records (4 to 8)
Aggregate Function
max()
min()
count()
```

```
upper()
lower()
sum()
concat()
select max(salary) from employee;
select min(salary) from employee;
select count(name) as total employee from employee;
select eid, upper(name) from employee;
select sum(salary) from employee;
select concat(fname, '', lname) as full name from employee;
autoincrement
     int, primary key,
enum
create table users (id int(11) primary key, name
varchar(255) not null, gender enum('male','female') not
null);
insert into users (id,name,gender) values (1,'abc','male');
insert into users (id,name,gender) values (1,'abc',1);
set
create table employee (id int(11) primary key, name
varchar(255) not null, city set('delhi', 'noida') not null);
insert into employee (id,name,gender) values
(1, 'abc', 'delhi');
insert into employee (id,name,gender) values
(2,'xyz','noida');
```

```
insert into employee (id,name,gender) values
(3,'amit','delhi,noida');
```

Sql Query joining and all ⇒

Joins: A Join enables you to retrieve records from two (or more) logically related tables in a single result set.

1.Inner Join

Select employee1.id, employee1.name, employee2.email from employee1 inner join employee2 on employee1.id = employee2.id;

Select employee1.id, employee1.name, employee2.email from employee1 inner join employee2 using(id);

Select e1.id, e1.name, e2.email from employee1 e1 inner join employee2 e2 on e1.id = e2.id;

Select e1.id, e1.name, e2.email from employee1 e1 inner join employee2 e2 using(id);

2. Left Join (all records of left table and common record of right table)

Select e1.id, e1.name, e2.email from employee1 e1 left join employee2 e2 on e1.id = e2.id;

3 Left Join(all records that is only in left table)

Select e1.id, e1.name from employee1 e1 left join employee2 e2 on e1.id = e2.id where e2.email is null:

4 Right Join (all records of Right table and common record of Left table)

Select e1.id, e1.name, e2.email from employee1 e1 right join employee2 e2 on e1.id = e2.id:

5 Right Join (all records that is only in Right table)

Select e2.id, e2.email from employee1 e1 right join employee2 e2 on e1.id = e2.id where e2.name is null;

6 Outer Join (Show all record of both tables except common records)

Select e1.id, e1.name, e2.email from employee1 e1 left join employee2 e2 on e1.id = e2.id where e2.id is null union Select e2.id, e1.name, e2.email from employee1 e1 right join employee2 e2 on e1.id = e2.id where e1.id is null;

7 Full Outer Join (Show All Record of Both Tables)

Select e1.id, e1.name, e2.email from employee1 e1 left join employee2 e2 on e1.id = e2.id union select e2.id, e1.name, e2.email from employee1 e1 right join employee2 e2 on e1.id = e2.id;

UNION

Select id, name from hr union select id, name from acc;

UNION ALL

Select id, name from hr union all select id, name from acc;

Distinct (Remove Duplicates)

select * from acc; select city from acc; select distinct city from acc;

Highest Salary and subquery (Query inside Query)

select distinct salary as 4th_heigest_salary from order by salary desc limit 3,1;

```
select max(salary) as 2nd_heigest_salary from user where salary <(select max(salary)
from user);
Group By and Having Clause
select dept, count(name) as total_employee from emp group by dept having
count(name)>1;
       Most Important Function How to connected database in Php ⇒
Database Connectivity
1 MYSQL
* mysqli procedural connectivity
* mysqli object based connectivity
2 PDO (PHP DATA OBJECT)
It can connect with more than 10 databases
hostname = "localhost"
username = "root"
password = ""
mysqli procdural connectivity
1 Database Connect
syntax
connection name = mysqli_connect("hostname","username","password","dbname") or
die(mysqli_connect_error());
e.g.
$link = mysqli_connect("localhost","root","","2pm") or die(mysqli_connect_error());
```

```
2. Execute Query
syntax
mysqli_query(connection name, query);
mysqli_query(connection name, query) or die(mysqli_error(connection name));
e.g.
$result = mysqli_query($link,"select * from employee");
e.g.
$result = mysqli_query($link,"select * from employee") or die(mysqli_error($link));
3 Count Number of Rows
mysqli_num_rows();
e.g
$result = mysqli_query($link,"select * from employee");
$record = mysqli_num_rows($result);
if($record > 0)
echo "Record Found";
}
else
echo "No Record Found";
}
4 Fetch Records
$arr = mysqli_fetch_assoc($result) $arr['index']
```

```
$arr = mysqli_fetch_array($result) $arr['index'] or $arr[0]
$arr = mysqli_fetch_row($result) $arr[0]
$arr = mysqli_fetch_object($result) $arr->index
5 Close Connection
syntax
mysqli_close(connection name)
e.g.
mysqli_close($link);
                     Regex Method pattern Check data:
Validation check:
Validation
Regular Expression (Regex)
start /^
End $/
Pattern []
Range {}
                     {3,6}{min 3, max 6}
                            {6}
                                           {min 6 and max 6}
                            {1,}
                                   {min 1, maximum no limit}
Compulsory +
                     {1,}
or |
                     {0,}
```

```
Name
```

```
/^[a-zA-Z]{1,}$/
or
/^[a-zA-Z]+$/
```

Mobile

```
/^[6-9]{1}[0-9]{9}$/
or
/^[6-9][0-9]{9}$/
```

Email

Examples : ⇒

Validation php files using database connection & html also connected with regex pattern

```
<?php
$link = mysqli_connect("localhost","root","","6pm") or die("Not Connect");
extract($_POST);</pre>
```

```
if(isset($sub))
       $un_error = $em_error = $login_error = $pass_error = $cpass_error = $mn_error =
$img_error = "";
       $un_valid = $em_valid = $login_valid = $pass_valid = $cpass_valid = $mn_valid =
$img_valid = false;
       // Name Validation
       $un = trim($un);
       if(!empty($un))
       {
              $format = "/^[a-zA-Z]+$/";
              if(preg_match($format,$un))
              {
                     $un_valid = true;
              }
              else
                     $un_error = "Only Alphabets Support in User Name";
              }
       }
       else
       {
              $un_error = "Enter User Name ";
       }
       // Email Validation
       $em = trim($em);
```

```
if(!empty($em))
              if(filter_Var($em,FILTER_VALIDATE_EMAIL))
              {
                     $result = mysqli_query($link,"select email from users where
email='$em'");
                     $record = mysqli_num_rows($result);
                     if($record == 0)
                     {
                             $em_valid = true;
                     }
                     else
                     {
                            $em_error = "Email Alredy Exist";
                     }
              }
              else
                     $em_error = "Enter Valid Email ID";
              }
      }
       else
      {
              $em_error = "Enter Email ID";
       }
       // Login Name
       $In = trim($In);
       if(!empty($In))
       {
              if(strlen($ln)>=6 && strlen($ln)<=10)
              {
                     $format = "/^[a-zA-Z0-9]{6,10}$/";
```

```
if(preg_match($format,$In))
                     {
                             $result = mysqli_query($link,"select login_name from users
where login_name='$In'");
                             $record = mysqli_num_rows($result);
                             if($record == 0)
                            {
                                    $login_valid = true;
                            }
                             else
                                    $login_error = "Login Name Already Exist";
                            }
                     }
                     else
                             $login_error = "Only Alphabets and Numbers allowed In
Login Name";
                     }
              }
              else
                     $login_error = "Enter Login Name Between 6 To 10 Characters";
              }
       }
       else
       {
              $login_error = "Enter Login Name";
       }
       // Password Validation
       $pass = trim($pass);
       if(!empty($pass))
```

```
{
       if(strlen($pass)>=6 && strlen($pass)<=10)
              $pass_valid = true;
       }
       else
              $pass_error = "Enter Password Between 6 To 10 Characters";
       }
}
else
{
       $pass_error = "Enter Password";
}
// Confirm Password Validation
$cpass = trim($cpass);
if(!empty($cpass))
{
       if($pass == $cpass)
              $cpass_valid = true;
       else
              $cpass_error = "Password And Confirm Password Are Not Same";
       }
}
else
{
       $cpass_error = "Enter Confirm Password";
}
```

```
$mn = trim($mn);
       if(!empty($mn))
       {
              $format = "/^[6-9]{1}[0-9]{9}$/";
              if(preg_match($format,$mn))
                     $result = mysqli_query($link,"select mobile from users where
mobile='$mn'");
                     $record = mysqli_num_rows($result);
                     if($record == 0)
                     {
                            $mn_valid = true;
                     }
                     else
                            $mn_error = "Mobile Number Already Exist";
                     }
              }
              else
                     $mn_error = "Enter Valid Mobile Number";
              }
       }
       else
       {
              $mn_error = "Enter Mobile Number";
       }
       // Image Validation
       $fn = $_FILES['att']['name'];
       $tmp = $_FILES['att']['tmp_name'];
```

```
if(!empty($fn))
              $arr = explode('.',$fn);
              $ext = end($arr);
              $ext = strtolower($ext);
              if($ext=="jpg" || $ext=="jpeg")
                      $fnn = rand().'.'.$ext;
                      $img_valid = true;
              }
              else
              {
                      $img_error = "Support only jpg or jpeg file";
              }
       }
       else
       {
              $img_error = "Please Select Image";
       }
       if($un_valid && $em_valid && $login_valid && $pass_valid && $cpass_valid &&
$mn_valid && $img_valid == true)
       {
              // if no error in validation
              if(move_uploaded_file($tmp,"images/".$fnn))
              {
                      if(mysqli_query($link,"insert into users
(name,email,login_name,password,mobile,image) values
('$un','$em','$ln','$pass','$mn','$fnn')"))
                      {
                             //header("location:validation.php");
                             echo "Data Insert Successfully";
                      }
                      else
```

```
{
                            unlink("images/".$fnn);
                            $error = mysqli_error($link);
                     }
              }
              else
              {
                     $error = "File Uploading Error <br>";
              }
      }
}
?>
<!DOCTYPE html>
<html>
<head>
       <title>Validation</title>
</head>
<body>
       <form method="post" enctype="multipart/form-data">
       Name <input type="text" name="un" value="<?= @$un ?>"><?php
if(isset($un_error)){    echo "<label style='color:red;'>$un_error</label>";} ?>
              <br>
              Email <input type="text" name="em" value="<?= @$em ?>"><?php
if(isset($em_error)){ echo "<label style='color:red;'>$em_error</label>";}?>
              <br>
              Login Name <input type="text" name="In" value="<?= @$In ?>"><?php
if(isset($login_error)){ echo "<label style='color:red;'>$login_error</label>";}?>
              <br>
```

```
Password <input type="password" name="pass"><?php
if(isset($pass_error)){ echo "<label style='color:red;'>$pass_error</label>";}?>
              <br>
              Confirm Password <input type="password" name="cpass"><?php
if(isset($cpass_error)){
                            echo "<label style='color:red;'>$cpass_error</label>";}?>
              <br>
              Mobile No. <input type="text" name="mn" value="<?= @$mn
?>"><?php if(isset($mn_error)){</pre>
                                  echo "<label
style='color:red;'>$mn_error</label>";}?>
              <br>
              Image : <input type="file" name="att"><?php if(isset($img_error)){ echo</pre>
"<label style='color:red;'>$img_error</label>";}?>
              <br>
              <input type="submit" name="sub">
       </form>
</body>
</html>
       Check code with php file in xampp folder with connected database ...
                     JavaScript Files docs:
```

JavaScript: javascript is a very powerful client side scripting language. It is used for animation, validation, event handling etc. It is mainly used for enhancing the interaction of users with a web page. We can make a more interactive webpage with the help of javascript.

case sensitive

Type of JavaScript

Internal

```
<script>
Code Here
</script>
```

External: File Create (filename.js) and write code in this filename attach: <script src="filename.js"></script>

Output:

```
document.write("Hello") web page alert("Hello"); alert box console.log("Hello") console panel
```

Comments

```
// single line comments
```

```
/*
multiple line comments
*/
```

New Line

```
 <br /> webpage
 \n alert
```

concatinate +

Variables

```
var variable name = value;
varibale name = value;
```

```
* start from a-zA-Z_$
                     * can combination a-zA-Z0-9
       e.g.
              var a = 5;
                     a = 5;
                     document.write(a);
Data Types: allocate automatically at run time
                     number,string,array,object,boolean,null
                                                                 (by default
undefined)
Check Data Type
              typeof()
              e.g
              a = 56;
              document.write(typeof(a));
Operator
Conditional Statements
       if
       if else
       else if
       switch
       same as php
```

Rules for declare varibale name

```
Loops
      for
       while
       do while
       same as php
Array
      array name = Array(value,value,value);
       array name = [value,value,value];
       e.g.
      arr = Array(22,"blue",88.7);
      arr = [22,"blue",88.7];
count array elements
      document.write(arrname.length);
       e.g.
      document.write(arr.length);
User Input (Popup Box)
       Prompt("title","placeholder")
      confirm("message");
```

Function: It is set of reusable code

Type of Function

- 1 Predefined function library function inbuilt function
- 2 user defined function

```
function abc()
{
      alert('Hello');
}

function xyz()
{
      alert('Welcome');
}

abc();
xyz();
abc();
```

JS Code With Docs files ⇒

JS POINT

READING TUTORIAL ==>

Main Js Docs

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<br >br> webpage
       \n
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concatinate
                     +
Variables
       var variable name = value;
              varibale name = value;
       Rules for declare varibale name
                     * start from a-zA-Z_$
                     * can combination a-zA-Z0-9
       e.g.
              var a = 5;
                     a = 5;
                     document.write(a);
Data Types: allocate automatically at run time
                     number,string,array,object,boolean,null
                                                               (by default
undefined)
Check Data Type
              typeof()
              e.g
              a = 56;
```

document.write(typeof(a));

Operator

```
Conditional Statements
       if
       if else
       else if
       switch
       same as php
Loops
       for
       while
       do while
       same as php
Array
       array name = Array(value,value,value);
              or
       array name = [value,value,value];
       e.g.
       arr = Array(22,"blue",88.7);
       arr = [22,"blue",88.7];
count array elements
```

document.write(arrname.length);

```
e.g.
document.write(arr.length);

User Input (Popup Box)
Prompt("title","placeholder")
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```
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     alert('Hello');
}

function xyz()
{
     alert('Welcome');
}

abc();
xyz();
```

abc();

Events onmouseover onmouseout onclick ondblclick onkeyup onkeydown onblur onfoucs onload setInterval() // run continuosly setTimeout() // run one time clearInterval() // stop **Dom (Document Object Model)** Element Attribute Style document.getElementById()._____ document.getElementsByName()._____ document.getElementsByTagName()._____

document.getElementsByclassName()._____

document.querySelector()._____

document.querySelectorAll()
How to write value :
document.write("hello"); // print hello in the browser page alert("hello"); // print hello in alert box open page console.log('hello'); // display hello in console
// how to open console : open browser + right click on mouse + goto to inspect + after goto console link open (and show and statement excute using console.log();)
console.log(); // print and statement using console command console.error("this is error"); // print you create error then use it (devloper most uses this when created code) console.table(); // show value on console table formate console.clear() // clear your console using this one
======================================
else if 2) Ternany opreator (like work if else condition statement single line condition.)
3) switch case / default case :
4) variables :
var Let

Count

5)	Continue A	And Brea	ak Stateme	ent
----	------------	----------	------------	-----

6) Mathmetical oparator

7) Logical oparator

```
&& (and both condition true then work)
```

|| (only one condition true then work)

! (if condition true then return false, else condition false then return true)

8) Conditional oparator

```
=== (using to value and data type check then use it)
```

== (using to value check then use it)

!= (using to value is not then check it)

9) alert (open popup using js)

10) confirm (using true or false condition using this one ==> ok == true; and cancel == false)

uisng only condition based confirm

- 11) prompt box (using the user input then use it.)
- 12) function // create function and call many time (its use only code reusevisiblity is low then use)
- 13) function with parameter // function with parameter (use some change inside code)
- 14) function override // function override varriable is inside function parameter
- 15) function overload // function value pass 2 var, and calculate with three then use it.

```
16) function with return value // function return value after print then store is first any
var then print.
17) Global and Local variable in function.
Global varriable (access any where inside function or outside function)
Local varriable (access only inside function)
// Both is define the (fisrt come to local varriable after come to global).
18) Javascript Events:
Events:
click (onclick) // when button click then call any function user create onclcik button.
Double click (ondblclick) // when user click button double time then call function
Right click (oncontextmenu) // when right on text menu
On change (onchange)
                         // only work with dropdown value changes.
Mouse Hover (onmouseenter) // on mouse
Mouse Out (onmouseout) // out mouse
Mouse Down (onmousedown) // down mouse
Mouse Up (onmouseup) // up mouse
Key Press (onkeypress) // when key press then js call function;
keypress only (working with body and form only not working with any html attributes.)
Key Up (onkeyup) // onkeyup (after keypress then left key then working this open
function.
Load
                    // when window load then working function
        (onload)
Unload (onunload)
                       // when window close then working function
Resize (onresize) // when resize window (zoom in Zoom out then working) /
function
```

// when page scroll the window open js file data and excute.

Loop in Javascript:

Scroll (onscroll)

Javascript loops: 1) While Loop 2) do / While Loop 3) for Loop 4) for/in Loop (with use objects) 5) for Each Loop (with use Array) While Loop: synatx: Ex: var i = 0; while (i<=10) { document.write(i); i = i +1; } Do While Loop: synatx: Ex: var i = 1; do{ document.write(i); //i = i+ 1; i++; }while(i<=10)

For Loop:

for(var a = 1; a <= 10; a++)

```
{
       document.write(a);
}
Continue and Break statement:
Continue Statement:
for(var a = 1; a <= 10; a++)
       if(a == 3){
              continue; // skip a = 3 another print all no (o/t = > 1,2,4,5,6,7,8,9,10)
       }
       document.write(a);
}
Break Statement:
for(var a = 1; a <=10; a++)
{
       if(a == 3){
              break; // break a = 3 another print before 3 no after all skip no (o/t = >
1,2)
       }
       document.write(a);
}
```