**Assignment 4 (PHP) Set 2**

1. Write a PHP script for the following. Define an array. Find the element from the array that matches the given values using appropriate search function.

* array\_seach(value to be searched, arrayname, true)

**HTML file :**

<html>  
<head>  
<title>B2</title>  
<style type=”text/css”>  
b{color:red;font-family: comic sans ms;}  
h4{color:gray;font-weight:bold;}  
u{color:blue;font-family: comic sans ms;font-weight: bold;}  
</style>  
</head>  
<body>  
<fieldset>  
<h4>The given Array is (“PYTHON”,”JAVA”,”ANDROID”,”C PROGRAMMING”,”C++”,”HTML”,”CSS”)</h4><hr/>  
<form method=”POST”>  
<tr>  
<td><h3>Enter Element to search from given string:</h3><input type=”text” name=”search\_key”></td><br><br>  
<td><input type=”submit” name=”submit”></td><br><hr/>  
</tr>  
</form>  
</body>  
</html>

**PHP file :**

<?php  
if(isset($\_POST[‘submit’]))  
{  
echo “<fieldset>”;  
$key=$\_POST[‘search\_key’];  
$str=array(“PYTHON”,”JAVA”,”ANDROID”,”C PROGRAMMING”,”C++”,”HTML”,”CSS”)</);  
if(in\_array($key,$str))  
echo “<span style=’color:red;font-family:comic sans ms;font-weight:bold’>The element <u>'”.$key.”‘</u> element exist in the given Array.</span>”;  
else  
echo “<span style=’color:red;font-family:comic sans ms;font-weight:bold’>The element <u>'”.$key.”‘</u>element does not exist in the given Array.</span>”;  
}  
?>

1. Write a PHP script for the following. Design a form to accept a string and check whether the given string is Palindrome or not. [Use built-in function.]

* strrev() to reverse the string

strcmp() to check original and reversed string, if it is matched then string is Palindrome.

**HTML file :**

<html><head><title>A2</title></head>

<body>

<fieldset><legend><b> Check whether string is palindrome or not :</b></legend>

<form method=”POST”>

<tr><td><ul><li><b>Enter string : </b><input type=”text” name=”str”></ul></td></tr><br><br>

<tr><td><input type=”submit” name=”submit”></td></tr><br><hr/>

</form>

</body>

</html>

**PHP  file :**

<?php

if(isset($\_POST[‘submit’]))

{

echo “<fieldset>”;

$str=$\_POST[‘str’];

function palindrome($str)

{

$str1=explode(” “,$str);

$str2=explode(” “,$str);

for($i=0;$str1[$i]!=null;$i++)

{

$c=array\_pop($str2);

$r=strrev($c);

if(strcmp($str1[0],$r)!=0)

return (0);

}

return (1);

}

$p=palindrome($str);

if($p==1)

echo “<span style=’color:green;font-weight:bold;’> The given string is a Palindrome string.</span>”;

else

echo “<span style=’color:red;font-weight:bold;’> The given string is not a Palindrome string.</span>”;

}

?>

1. Write a menu driven program to perform the following operation on an associative array.

a) Display the elements of an array along with key.

b) Display the size of an array.

-> Refer Traversing an array concept from Chapter 8

To display size of an array – Use sizeof

**HTML file** :

<html>

<body>

<form action=assoarraymenudriv.php>

Select Option:<br>

<input type=radio name=a value=1>Display Array Along With Their Keys<br>

<input type=radio name=a value=2>Display Size of An Array<br>

<input type=submit value=SUBMIT>

</form>

</body>

</html>

**PHP file :**

<?php

$a = array("abc"=>"35","xyz"=>"37","pqr"=>"43");

$ch = $\_GET['a'];

switch($ch)

{

                                case 1  :  foreach($a as $x=>$x\_value)

                                                 {

                                                                echo "Key = " . $x . ", Value = " . $x\_value;

                                                                echo "<br>";

                                                 }

                                                break;

                                case 2  :  $l = sizeof($a);

                                                echo $l;

                                                break;

}

?>

1. Write a PHP Script to accept customer Name from user and do the following

a) Transform Customer Name all Upper case latter.

b) Make First character to Upper Case.

-> all Upper case latter – Use strtoupper()

First character to Upper Case – ucfirst()

**HTML file :**

<html>

<body>

<form method="POST" action="14.php">

Enter Customer Name:<input type="text" name="name"><br><br>

<input type="radio" name="option" value="1">Tranform all to uppercase<br><br>

<input type="radio" name="option" value="2">Make First Character to uppercase<br><br>

<input type="submit">

</form>

**PHP file :**

<?php

$name=$\_POST['name'];

$choice=$\_POST['option'];

switch($choice)

{

case 1: echo "<h2>After Tranforming $name to uppercase</h2><br>";

echo "<b>".strtoupper($name)."</b>";

break;

case 2: echo "<h2>After Making $name first character to upper</h2><br>";

echo "<b>".ucfirst($name)."</b>";

break;

default : echo "Please choose one operation";

}

?>

</body>

</html>

1. Write a PHP script to accept the number from user and write a function to calculate the factorial of a given number (non-negative integer). The function accept the number as argument.

**PHP file :**

<?php

/\* Function to get Factorial of a Number \*/

function getFactorial($num)

{

                                  $fact = 1;

                                  for($i = 1; $i <= $num ;$i++)

                                  $fact = $fact \* $i;

                                 return $fact;

}

?>

**HTML file :**

<!doctype html>

<html>

<head>

<title>Factorial Program using PHP</title>

</head>

<body>

<form action = "" method="post">

Enter the number whose factorial requires <Br />

<input type="number" name="number" id="number" maxlength="4" autofocus required/>

<input type="submit" name="submit" value="Submit" />

</form>

<?php

if(isset($\_POST['submit']) and $\_POST['submit'] == "Submit")

{

                                 if(isset($\_POST['number']) and is\_numeric($\_POST['number']))

                                  echo 'Factorial Of Number: <strong>'.getFactorial($\_POST['number']).'</strong>';

                }

?>

</body>

</html>

**=>**Write a PHP Program to read two file names from user and append content of first file into second file.

* Accept a number from User. Write a function to calculate factorial and display it.
* Accept two file name. User fopen with proper mode. Then use fread and fwrite

**HTML file :**

<!DOCTYPE html>

<html><head><title>file program</title>

<style type=”text/css”>

i{color:blue;}

d{color:gray;}

u{color:green;}</style></head><body><fieldset><legend>&nbsp <b>Enter appropriate file name from given directory:=</b> &nbsp</legend>

<form method=”POST”><br/>

<b>Enter 1st File Name :&nbsp</b><input type=”text” name=”str1″><br/><br/>

<b>Enter 2nd File Name :&nbsp</b><input type=”text” name=”str2″><br/><br/>

<input type=”submit” name=”submit”><hr/>

</form>

</body>

</html>

**PHP file :**

<?php

if(isset($\_POST[‘submit’]))

{

echo “<span style=’font-family:comic sans ms;font-weight:bold;’>”;

$file1=$\_POST[‘str1’];

$file2=$\_POST[‘str2’];

$file\_1=fopen($file1,”a”) or exit(“<i><center>=> Unable to open file! <=</center></i>”);

$file\_2=fopen($file2,”r”) or exit(“<i><center>=> Unable to open file! <=</center></i>”);

echo “<d>Appending…</d>”;

$data=fread($file\_2);

fwrite($file\_1,$data);

fclose($file\_1);

fclose($file\_2);

$file=fopen($file1,”r”);

echo “<br/><d>Reading…</d><br/><br/><fieldset>”;

$data=fread($file);

echo “<b><u>Data in “.$file1.”</u> :</b><br/>”.$data.”</fieldset>”;

fclose($file);

echo “</span>”;

}

?>

1. Write a PHP program to declare a multidimensional array. Display specific element from a multidimensional array. Also delete given element from the multidimensional array.

(after each operation display array contents).

* Declare 2 D array with some values.
* Take location from user and display specific element.
* Use unset() to delete element from an array

**HTML file :**

<html>

<?php

$stud=array('0'=>array('name'=> 'sharad' ,'age'=>20,'addr'=>'Katraj'),

'1'=>array('name'=> 'anil', 'age'=>21,'addr'=>'Hadapsar'),

'2'=>array('name'=> 'Abhishek' , 'age'=>19,'addr'=>'Karve Road'),

'3'=>array('name'=> 'Saranga' , 'age'=>21,'addr'=>'Kothrud')

'4'=>array('name'=> 'apoorv' , 'age'=>21,'addr'=>'Ravivar peth')

);

print\_r($stud);

echo "<br>";

echo "<br> Element for delete is:";

echo "<br>stud[1]['age']<br>";

echo $stud[1]['age'];

echo "<br><br>";

unset($stud[1]['age']);

print\_r($stud);

?>

</body>

</html>

1. Write a PHP program to read a directory name and extension form user. Display the files with specified extension from that directory.

* Take directory name and extension from user.
* Use scandir() function to access all files present in that directory. scandir(\_) returns an array of files.
* Match extension given by the user and extension of all the files present under specified directory. If match found then display name of that particular file.

**HTML file :**

<html>  
<form action="17.php" method="POST">  
<center><h1><b><font type="San Sarif">Search file of given extension.</font></b></h1></center>  
<br>  
<br>  
<hr>  
<h3>Enter directory name: <input type="text" name="dname"></h3>  
<h3>Enter file extension: <input type="text" name="ex"></h3>  
  
<pre>  
                <input type="submit" name="submit" value="submit">        
                <input type="reset" name="reset'" value="reset">  
  
</pre>  
</form>

**PHP file :**

<?php  
  
$d=$\_POST['dname'];  
$ext=$\_POST['ex'];  
  
if(is\_dir($d))  
{  
$h=opendir($d);  
echo "<h3>The files with extension  $ext in directory $d are: </h3>";  
while(($file=readdir($h))!==false)  
  
if(is\_dir($file))  
{  
continue;  
}  
$e=explode('.',$file);  
if($e[1]==$ext)  
{  
        echo "<h3>$file</h3><br/>";  
}  
}  
closedir($h);  
}  
  
  
?>  
</html>

1. Write a PHP program to create a Class calculator which will accept two value from user and pass as an argument through parameterized constructor and do the following task.

a) Add Them

b) Subtract Them

c) Multiply them together or divide them on request

-> Write a class contains which contains two variable. Write parameterized constructor to assign value to variables declare inside class. Write 4 functions add, subtract, multiply and divide.

-> Accept 2 values from user. Pass these values to class using parameterized constructor.

-> As per user choice call required function to take particular action.

HTML file :

<html>

<body>

<form action="calculatorclass.php" method=get>

<center>

<table>

<tr><td>Enter No1</td><td><input type="text" name="a"></td></tr>

<tr><td>Enter No2</td><td><input type="text" name="b"></td></tr>

<tr><td></td><td><input type="submit" value="SUBMIT"></td></tr>

</table>

</center>

</form>

</body>

</html

**PHP file :**

<?php

                class Calculate

                 {

                                 public $a;

                                public $b;

                                 function \_\_construct($a,$b)

                                {

                                                 $this->a=$a;

                                                $this->b=$b;

                                }

                                public function add()

                                {

                                                $c=$this->a+$this->b;

                                                echo"Addition = $c<br>";

                                }

                                public function subtract()

                                {

                                                $c=$this->a-$this->b;

                                                 echo"Subtract = $c<br>";

                                }

                                public function multiply()

                                 {

                                                $c=$this->a\*$this->b;

                                                echo"Multiplication = $c<br>";

                                }

                                public function div()

                                {

                                                 $c=$this->a/$this->b;

                                                echo"Division = $c";

                                }

                }

$x=$\_GET['a'];

$y=$\_GET['b'];

$calc=new Calculate($x,$y);

$calc->add();

$calc->subtract();

$calc->multiply();

$calc->div();

?>

1. Write a PHP script to accept username and password. If in the first three chances, username and password entered is correct then display second form with ‘welcome message‘otherwise display error message. [ Use Session]

* Create html page to accept username and password from user. Pass these values to PHP and check username and password with some hard coded value. Take a counter variable assign value as 0.
* If it does not match then increment a counter and store it in session. Display number of attempts remaining to user. Check for maximum 3 attempts. And show html page to the user.
* If it matches then show welcome message to the user.

**HTML file :**

<html>

<head>

<script>

                function getans()

                {

                                st1=document.getElementById('txtname').value;

                                st2=document.getElementById('txtpass').value;

                                ob=new XMLHttpRequest();

                                ob.onreadystatechange=function()

                                {

                                                if(ob.readyState==4 && ob.status==200)

                                                {

                                                                if(ob.responseText==3)

                                                                {

                                                                                alert("sorry you lost the chances to login");

                                                                                location="error.html";

                                                                }

                                                                else if(ob.responseText=="correct")

                                                                {

                                                                                alert("you entered correct details");

                                                                }

                                                                else alert(ob.responseText);

                                                }

                                }

                                ob.open("GET","sessiontrackingprogram.php?n="+st1+"&p="+st2);

                                ob.send();

                }

</script>

</head>

<body>

<input type=text id=txtname placeholder="username"></br>

<input type=password id=txtpass placeholder="password"></br>

<input type="button" onclick="getans()" value="Login">

</body>

</html>

**HTML file** :  error.html

<html>

<body>

<h1>YOu lossed the chances of login</h1>

</body>

</html>

**PHP file :**

<?php

                session\_start();

                $nm=$\_GET['n'];

                $ps=$\_GET['p'];

                if($nm==$ps)

                {

                                echo "correct";

                }

                else if(isset($\_SESSION['cnt']))

                                                {

                                                                $x=$\_SESSION['cnt'];

                                                                $x=$x+1;

                                                                $\_SESSION['cnt']=$x;

                                                                echo $\_SESSION['cnt'];

                                                                if($\_SESSION['cnt']>=3)

                                                                $\_SESSION['cnt']=1;

                                                }

                                                else

                                                {

                                                                $\_SESSION['cnt']=1;

                                                                echo "1";

                                                }?>

20.Write a PHP script to create a Class shape and its subclass triangle, square and circle and display area of the selected shape.( use the concept of Inheritance)

Display menu (use radio button)

a) Triangle

b) Square

c) Circle

HTML file :

<html>

<body>

<form action="shapeprogram.php" method=get>

<center><h2>For Triangle and Square:=</h2>

<table>

<tr><td>Enter Base </td><td><input type="text" name="b"></td></tr>

<tr><td>Enter Height</td><td> <input type="text" name="h"></td></tr>

<tr><td><input type="radio" name=op value=1>Triangle</td>

<td><input type="radio" name=op value=2>Square</td></tr>

</table>

<table>

<center><h2>For Circle:=</h2></center>

<tr><td>Enter Radius</td><td> <input type="text" name="r"></td></tr>

<tr><td></td><td><input type="radio" name=op value=3>Circle</td></tr>

<tr><td></td><td><input type="submit" value="SUBMIT"></td></tr>

</table>

</center>

</form>

</body>

</html>

PHP file :

<?php

                define('pi',3.14);

                interface shape

                {

                                 function calc\_area($b,$h);

                }

                class triangle implements shape

                {

                                function calc\_area($h,$b)

                                {

                                                return $h\*$b/2;

                                }

                }

                class square implements shape

                {

                                function calc\_area($b)

                                {

                                                return $b\*$b;

                                }

                }

                class circle implements shape

                {

                                function calc\_area($r)

                                {

                                                return 3.14\*$r\*$r;

                                }

                }

                $op=$\_GET['op'];

                switch($op)

                {

                                case 1 : $b=$\_GET['b'];

                                                                                $h=$\_GET['h'];

                                                                                $ob=new triangle();

                                                                                $a=$ob->calc\_area($h,$b);

                                                                                echo "Area of Triangle is:=".$a.;

                                                                                break;

                                case 2 :

                                                                                $b=$\_GET['b'];

                                                                                $ob=new square();

                                                                                $a=$ob->calc\_area($b);

                                                                        echo "Area of Square:= is".$a;

                                                                                break;

                                case 3 : $r=$\_GET['r'];

                                                                                $ob=new circle();

                                                                                $a=$ob->calc\_area($r);

                                                                                echo "Area of Sphere is".$a;

                                                                                break;

                }

**?>**