**MODULE :2**

p1 Write a PHP program to enter marks of five subjects Physics,Chemistry, Biology, Mathematics and Computer, calculate percentage and grade by if else Write a PHP program for find ‘Thursday’ in week usingswitch function.

ANS=>.

<?php

$p = 95;

$c = 85;

$b = 74;

$pc = 64;

$m = 53;

$total = NULL;

$average = NULL;

$percentage = NULL;

$total = $p + $c + $b + $pc + $m;

$average = $total / 5.0;

$percentage = ($total / 500.0) \* 100;

echo "The Total marks = " . $total . "/500\n";

echo "The Average marks = " . $average . "\n";

echo "The Percentage = " . $percentage . "%";

**?>**

<?php

$day = "4";

switch ($day) {

case "1":

echo "It is Monday!";

break;

case "2":

echo "It is today!";

break;

case "3":

echo "It is Wednesday!";

break;

case "4":

echo "It is Thursday!";

break;

case "5":

echo "It is Friday!";

break;

case "6":

echo "It is Saturday!";

break;

case "7":

echo "It is Sunday!";

break;

default:

echo "Invalid number!";

}

?>

B2 Write a PHP program to check Leap years between 1901 to 2016 using nested if.

B2 . Write a PHP program to check Leap years between 1901 to 2016 using nested if.

Ans=>

<?php

function isLeap($year)

{

return (date('L', mktime(0, 0, 0, 1, 1, $year))==1);

}

//For testing

for($year=1991; $year<2016; $year++)

{

If (isLeap($year))

{

echo "$year : LEAP YEAR<br />\n";

}

else

{

echo "$year : Not leap year<br />\n";

}

}

?>

B3.Write a PHP program to find the largest of three numbers usingternary operator.

=>

<?php

function largest($x, $y, $z) {

$max = $x;

$max = ($x > $y)? (($x > $z)? $x : $z) : (($y > $z)? $y : $z);

echo "Largest number among $x, $y and $z is: $max\n";

}

largest(100, 50, 25);

largest(50, 50, 25);

?>

B4. Write a program in PHP to print Fibonacci series. 0, 1, 1, 2, 3, 5, 8,13, 21,34

<?php

$num = 0;

$n1 = 0;

$n2 = 1;

echo "\n";

echo $n1.' '.$n2.' ';

while ($num < 10 )

{

$n3 = $n2 + $n1;

echo $n3.' ';

$n1 = $n2;

$n2 = $n3;

$num = $num + 1;

?>

B5. Write a program to find whether a number is Armstrong or not

=>LOGIC:

407 = (4\*4\*4) + (0\*0\*0) + (7\*7\*7)

= 64 + 0 + 343

407 = 407

PROGRAM:

<?php

$num=407;

$total=0;

$x=$num;

while($x!=0)

{

$rem=$x%10;

$total=$total+$rem\*$rem\*$rem;

$x=$x/10;

}

if($num==$total)

{

echo "Yes it is an Armstrong number";

}

else

{

echo "No it is not an armstrong number";

}

?>

B6. Write a program to print Reverse of any number.

=><?php

$num = 23456;

$revnum = 0;

while ($num > 1)

{

$rem = $num % 10;

$revnum = ($revnum \* 10) + $rem;

$num = ($num / 10);

}

echo "Reverse number of 23456 is: $revnum";

?>

I1.Write a program to print the below format :

1 5 9

2 6 10

3 7 11

4 8 12

===

<?php

for($i=1;$i<=4;$i++)

{

$i1=$i+4;

$i2=$i+8;

echo $i." ".$i1." ".$i2;

echo "<br />";

}

?>

I2.Write a program for this Pattern:

\*\*\*\*\*

\*

\*

\*

\*

\*

\*

\*\*\*\*\*

I3.$str1 = 'yabadabadoo';

$str2 = 'yaba';

if (strpos($str1,$str2)) {

echo "\"" . $str1 . "\" contains \"" . $str2 . "\"";

} else {

echo "\"" . $str1 . "\" does not contain \"" . $str2 . "\"";

}

Output:

yabadabadoo

I4.What will be the values of $a and $b after the code below is

executed?

Explain your answer.

$a = '1';

$b = &$a;

$b = "2$b";

>>$a=1 , $b=21;

I5.How can you tell if a number is even or odd without

using any condition or loop?

>>We can divide the number by 2, then check whether the remainder is 0 or not. if 0, then it is even. Otherwise we can perform AND operation with the number and 1. If the answer is 0, then it is even, otherwise odd.

I6.Write a PHP program to print alphabet pattern 'J'.

Expected Output:

\*\*\*

\*

\*

\*

\* \*

>><?php

for ($row=0; $row<7; $row++)

{

for ($column=0; $column<=7; $column++)

{

if (($column == 4 and $row != 6) or ($row == 0 and $column > 2 and $column < 6) or ($row == 6 and $column == 3) or ($row == 5 and $column == 2))

echo "\*";

else

echo " ";

}

echo "\n";

}

?>

B1.What is the difference between include\_once() and

require\_once(), which one would you use in circumstances where

you need to connect to a database, and why?

>>require\_once throw a fatal error if the file is not found, whereas include and include\_once only show a warning and continue to load the rest of the page.

So I will use the include\_once() .

B2.What are the uses of explode() and implode() functions?

>>The explode() function breaks a string into an array, but the implode function returns a string from the elements of an array.

B3.Which function is used in PHP to check the data type of any

variable?

>>gettype() function

B4.How can you increase the maximum execution time of a script in

PHP?

>>Locate and open your PHP build folder.

>Find the php.ini file and open it.

>Find the following line in the text configuration file – max\_execution\_time=30.

>Change the value 30 to the value of choice, Remember, this value is in seconds.

>Save & Close.

B5.What is meant by ‘passing the variable by value and reference' in

PHP?

>>When the variable is passed as value then it is called pass variable by value. Here, the main variable remains unchanged even when the passed variable changes. When the variable is passed as a reference then it is called pass variable by reference.

B6.Which function you can use in PHP to open a file for reading

or writing or for both?

>><?php

$handle = fopen("c:\\folder\\file.txt", "r"); //for reading

?>

<?php

$handle = fopen("c:\\folder\\file.txt", "w"); //for writing

?>

A+,r+,w+ for both

B7.Which function is used in PHP to delete a file?

>>unlink() function

B8.Which functions are used to count the total number of array

elements in PHP?

>>The count() and sizeof() both functions are used to count all elements in an array.

B9.What is the difference between substr() and strstr()?

B10 .What is use of the header() function in PHP?

>>header() is used to send a raw HTTP header. See the » HTTP/1.1 specification for more information on HTTP headers. Remember that header() must be called before any actual output is sent, either by normal HTML tags, blank lines in a file, or from PHP.

I1.Write a Program for finding the biggest number in an array

without using any array functions.

>><?php

$numbers = array(0,10,80,67,60,89,91,56,45,30,95,83);

$length = count($numbers);

$max = $numbers[0];

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

{

if($numbers[$i]>$max)

{

$max = $numbers[$i];

}

}

Echo "the biggest number in the array is ".$max;

?>

I2.How can you declare the array(all type) in PHP? Explain with

example.

>>

An array stores multiple values in one single variable:

Example

<?php

$cars = array("Volvo", "BMW", "Toyota");

echo "I like " . $cars[0] . ", " . $cars[1] . " and " . $cars[2] . ".";

?>

I3.Covert a JSON string to array.

>>First convert the JSON string to the JavaScript object using JSON.Parse() method and then take out the values of the object and push them into the array using push() method.

I4.Write program to remove duplicate values from array

>><?php

$a=array("a"=>"red","b"=>"green","c"=>"red");

print\_r(array\_unique($a));

?>

I5.Get random values from array

>><?php

$a=array("red","green","blue","yellow","brown");

$random\_keys=array\_rand($a,3);

echo $a[$random\_keys[0]]."<br>";

echo $a[$random\_keys[1]]."<br>";

echo $a[$random\_keys[2]];

?>

I6.Write a PHP script which decodes the following JSON string.

>><?php

$jsonobj = '{"Peter":35,"Ben":37,"Joe":43}';

var\_dump(json\_decode($jsonobj));

?>

I7. Use a for loop to total the contents of an integer array called numbers

which has five elements. Store the result in an integer called total.

I8.Declare a Multi Dimensioned array of floats called balances

havingthree rows and five columns

>>$product=array(

array(

array("Epson Printer L110",100,4500),

array("Canon Printer",100,5000),

array("HP Laptop",500,40000)

),

array(

array("Micromax Canvas Lite",200,9000),

array("Samsung Galaxy",300,15000),

array("LAVA",100,4000)

)

array(

array("Sandisk 16 GB Pendrive",500,500),

array("Card Reader",500,50),

array("UPS",200,3000)

)

);