• 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 using switch Function.

Ans.

Percentage

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Document</title>

</head>

<body>

    <form method="post">

        <center>

            <table border=0>

                <tr>

                    <td>

                        Student Name

                    </td>

                    <td>

                        <input type=text name="name">

                    </td>

                </tr>

                <tr>

                    <td>

                        Physics

                    </td>

                    <td>

                        <input type=text name="ph">

                    </td>

                </tr>

                <tr>

                    <td>

                        Chemistry

                    </td>

                    <td>

                        <input type=text name="ch">

                    </td>

                </tr>

                <tr>

                    <td>

                        Biology

                    </td>

                    <td>

                        <input type=text name="bi">

                    </td>

                </tr>

                <tr>

                    <td>

                        Mathematics

                    </td>

                    <td>

                        <input type=text name="ma">

                    </td>

                </tr>

                <tr>

                    <td>

                        Computer

                    </td>

                    <td>

                        <input type=text name="co">

                    </td>

                </tr>

            </table>

            <br>

            <br>

            <input type=submit name="result" value="Result">

        </center>

        <?php

        if (isset($\_POST['result'])) {

            // accessing value from text field

            $name = $\_POST['name'];

            $physics = $\_POST['ph'];

            $Chemistry = $\_POST['ch'];

            $Biology = $\_POST['bi'];

            $Mathematics = $\_POST['ma'];

            $Computer = $\_POST['co'];

            // total marks

            $sum = $physics + $Chemistry + $Biology + $Mathematics + $Computer;

            $avg = $sum / 5;

            // echo $avg;

            if ($avg >= 0 && $avg <= 33) {

                $grade = "Fail";

            }

            if ($avg >= 33 && $avg <= 50) {

                $grade = "D";

            }

            if ($avg >= 50 && $avg <= 70) {

                $grade = "C";

            }

            if ($avg >= 70 && $avg <= 90) {

                $grade = "B";

            }

            if ($avg >= 90 && $avg <= 99) {

                $grade = "A";

            }

            echo "<br>";

            echo "Student is :".$name."<br>";

            echo "Total Marks :".$sum."<br>";

            echo "Grade is :".$grade."<br>";

        }

        ?>

    </form>

</body>

</html>

Thursday

<form method="post">

    Enter Number to find day<br /><input class="inputVal" type="text" name="input" value="<?php echo (isset($\_POST['input']) ? $\_POST['input'] : ''); ?>"><br><br>

    <input id="subBtn" type="submit" name="submit" value="Submit">

</form>

</div>

<?php

if (isset($\_POST['input']) && $\_POST['input'] != '' && $\_POST['input'] < '8') {

    $day = $\_POST['input'];

    switch ($day) {

        case 1:

            echo "Its a Monday!<br>";

            break;

        case 2:

            echo "Its a Tuesday!<br>";

            break;

        case 3:

            echo "Its a Wednesday!<br>";

            break;

        case 4:

            echo "Its a Thursday!<br>";

            break;

        case 5:

            echo "Its a Friday!<br>";

            break;

        case 6:

            echo "Its a Saturday!<br>";

            break;

        case 7:

            echo "Its a Sunday!!<br>";

            echo "Its a Holiday!!<br>";

            break;

    }

}

• Write a PHP program to check Leap years between 1901 to 2016 Using nested if.

Ans

<?php

*function* leapyear($year)

{

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

}

//For testing

for($year=1901; $year<=2016; $year++)

{

    If (Leapyear($year))

    {

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

    }

    else

    {

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

    }

}

?>

• Write a PHP program to find the largest of three numbers using ternary Operator.

Ans

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Document</title>

</head>

<body>

<h3>PHP Program to Find Largest of Three Numbers</h3>

       <form action="" method="post">

       Number 1: <input type="number" name="first" min="0" value="<?=(isset($\_POST['first']))?$\_POST['first']:'';?>" /><br /><br />

       Number 2: <input type="number" name="second" min="0" value="<?=(isset($\_POST['second']))?$\_POST['second']:'';?>" /><br /><br />

       Number 3: <input type="number" name="third" min="0" value="<?=(isset($\_POST['third']))?$\_POST['third']:'';?>" /><br /><br />

       <input type="submit"/><br /><br />

      </form>

</body>

</html>

<?php

if($\_POST){

    $first = $\_POST['first'];

    $second = $\_POST['second'];

    $third = $\_POST['third'];

    //find the largest number between first and second and store it in a $temp variable

    $temp = ($first > $second) ? $first : $second;

    //Now compare the $temp & $third variable to find the largest number of 3

    $largest = ($third > $temp) ? $third : $temp;

    print "<h2>Largest of three number is: ".$largest."</h2>";

}

?>

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

Ans

<?php

$num = 0;

$n1 = 0;

$n2 = 1;

echo "<h3>Fibonacci series numbers: </h3>";

echo "\n";

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

while ($num < 10 )

{

    $n3 = $n2 + $n1;

    echo $n3.'';

    $n1 = $n2;

    $n2 = $n3;

    $num = $num + 1;

}

?>

•Write a program to find whether a number is Armstrong or not Write a program to print the below format : 5 9 2610 3711 4812

Ans

<?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";

}

?>

• Write a program for this Pattern c: \*\*\*\*\* \* \* \* \*\*\*\*\*

Ans

<?php

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

{

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

  {

     if (($column == 1 and ($row != 0 and $row != 6)) or (($row == 0 or $row == 6) and ($column > 1 and $column < 5)) or ($column == 5 and ($row == 1 or $row == 5)))

            echo "\*";

        else

            echo " ";

  }

  echo "\n<br>";

}

?>

• 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";

Ans

<?php

$a="1";

$b=&$a;

$b="2$b";

echo $b;

echo "<br>";

echo  "a is a variable type of string with the value '1'<br>";

echo  " b is the reference of the a variable.<br>";

echo  "b & a have for value the string '2' concatenate with the value of the variable a (string '1')<br>";

?>

• How can you tell if a number is even or odd without using any Condition or loop?

Ans

<?php

$arr=array("0"=>"Even","1"=>"Odd");

$check=10;

echo "Your number is: ".$arr[$check%2];

?>

• How can you declare the array (all type) in PHP? Explain with example Covert a JSON string to array.

Ans

<?php

// two type of array declare

$array= ["1","2","3","4","5"];

$a= array("1","2","3","4","5",);

echo $array[2];

echo "<br>";

echo $a[4];

*var* str = '{"id":1,"name":"Test1"},{"id":2,"name":"Test2"}';

*var* dataObj = parseJSON('['+ str +']');

// json\_encode()

?>

• Write program to remove duplicate values from array

• Get random values from array

Ans

<?php

$a = array(1,2,3,4,5,5,6,6,7,4,3,8,9,10,7,9,10);

echo "<pre>";

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

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

?>

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

Ans

<?php

*function* w3rfunction($value,$key)

{

echo "$key : $value"."\n";

}

$a = '{"Title": "The Cuckoos Calling",

"Author": "Robert Galbraith",

"Detail":

{

"Publisher": "Little Brown"

 }

  }';

$j1 = json\_decode($a,true);

array\_walk\_recursive($j1,"w3rfunction");

?>