**MODULE – 3(Core PHP)**

**1.Write a PHP program to enter marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer, calculate percentage and grade by if else**

**=>Ans::**

<?php

$physics = 95;

$chem = 85;

$bio = 74;

$maths = 64;

$computer = 53;

$total = NULL;

$average = NULL;

$percentage = NULL;

$grade = NULL;

$total = $physics + $chem + $bio + $maths + $computer;

$average = $total / 5.0;

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

if ($average >= 90)

$grade = "A";

else if ($average >= 80 && $average < 90)

$grade = "B";

else if ($average >= 70 && $average < 80)

$grade = "C";

else if ($average >= 60 && $average < 70)

$grade = "D";

else

$grade = "E";

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

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

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

echo "The Grade = '" . $grade . "'\n";

?>

**2. write a PHP program for find „Thursday‟ in week using switch Function.**

**=>Ans::**

<?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!";

}

?>

Output:It is Thursday.

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

**=>Ans::**

**<?php**

**$year=2020;**

**if($year%4==0 and $year%100!==0 or $year%400==0)**

**{**

**echo"$This is leap year";**

**}**

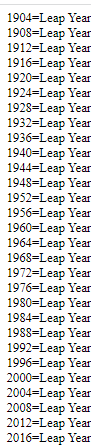
**else**

**{**

**echo"$This is not leap year";**

**}**

**?>**



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

**=>Ans::**

<?php

$a=40;

$b=20;

$c=60;

echo $a>$b&&$a>$c?"A greater":($b>$a&&$b>$c?"B greater":'C Greater');

?>

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

**=>Ans::**

<?php

$x=0;

$a=0;

$b=1;

echo $a."<br/>";

while($x<9)

{

echo $c=($a+$b);

echo "<br/>";

$b=$a;

$a=$c;

$x++;

}

?>



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

**=>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";

}

?>

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**7. Write a program to print the below format :**

5 9

2610

3711

4812

=>**Ans:**

<table >

<tr>

<td><?php

$cnt=1;

for($i=1;$i<13;$i++)

{

echo $i;

echo "<br/>";

if($cnt==4)

{

echo "</td>";

echo "<td>";

$cnt=0;

}

$cnt++;

}

?>

</td>

</tr>

</table>



**8. Write a program for this Pattern:**

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\*

\*

\*

\*\*\*\*\*

=>**Ans::**

<?php

for($i=0;$i<13;$i++)

{

echo "\*";

if(($i>3)&&($i<8))

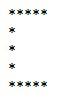
{

echo "<br/>";

}

}

?>



**9.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::**



Here B consider 21 as String value

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

**=>Ans::**

<?php

$x=12;

$h=array('Odd','Even');

echo $x." number is ".$h[$x%2];

?>



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

**12. Write program to remove duplicate values from array**

**=>Ans::**

<?php

$h=[1,2,1,4];

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

?>



**13. Get random values from array**

**=>Ans::**

<?php

$h=[1,2,3,4,5];

echo array\_rand($h);

?>



**14. Write a PHP script which decodes the following JSON string.**

**15. 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.**

**=>Ans::**

<?php

$h=[1,2,3,4,5];

$total=0;

for($i=0;$i<5;$i++)

{

$total+=$h[$i];

}

echo "Total=".$total;

?>



**16. Declare a Multi Dimensioned array of floats called balances having Three rows and five columns.**

**=>Ans::**

<?php

$balance=[[1,2,3,4,5],

[6,7,8,9,10],

[11,12,13,14,15]

];

echo"<pre>";

print\_r($balance);

?>

