

National Institute of Technology, Tiruchirappalli



Department of Computer Applications

Web Technology and its Applications Lab *Lab 7*

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MCA – 2nd Year

PHP Programs

1) Sum of Digits.

```
<!DOCTYPE html>

<html>

<body>

    <?php

        $num = 12345;

        $x = $num;

        $sum = 0;

        $rem = 0;

        for ($i = 0; $i <= strlen($x); $i++) {

            $rem = $x % 10;

            $sum = $sum + $rem;

            $x = $x / 10;

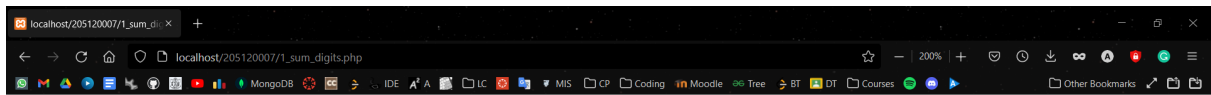
        }

        echo "Sum of digits of number $num is $sum";

    ?>

</body>

</html>
```



Sum of digits of number 12345 is 15



2) Even or odd number.

```
<!DOCTYPE html>

<html>

<body>

    <?php

        $num = 20;

        if ($num % 2 == 0) {

            echo "$num is Even.";

        } else {

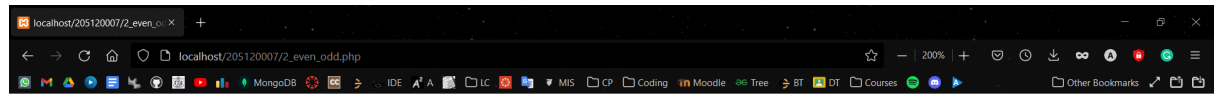
            echo "$num is Odd.";

        }

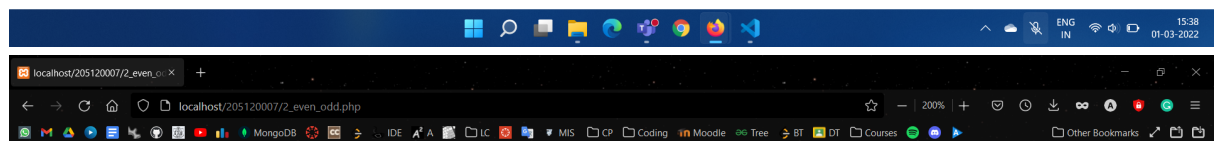
    ?>

</body>
```

```
</html>
```



29 is Odd.



20 is Even.

3) Prime number.

```
<!DOCTYPE html>
```

```
<html>

<body>

    <?php

        $num = 17;

        $count = 0;

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

            if (($num % $i) == 0) {

                $count++;

            }

        }

        if ($count < 3) {

            echo "$num is a prime number.";

        } else {

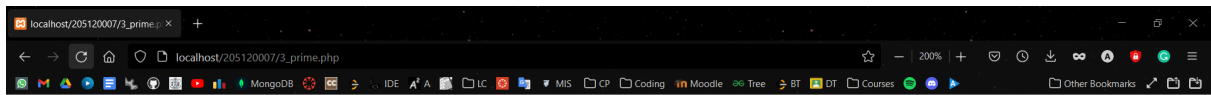
            echo "$num is not a prime number.";

        }

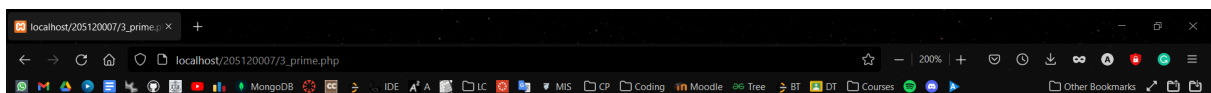
    ?>

</body>

</html>
```



12 is not a prime number.



17 is a prime number.



4) Table of number.

```
<!DOCTYPE html>
```

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<html>
```

```
<body>

<?php

$num = 12;

for ($i = 1; $i <= 10; $i++) {

    $product = $i * $num;

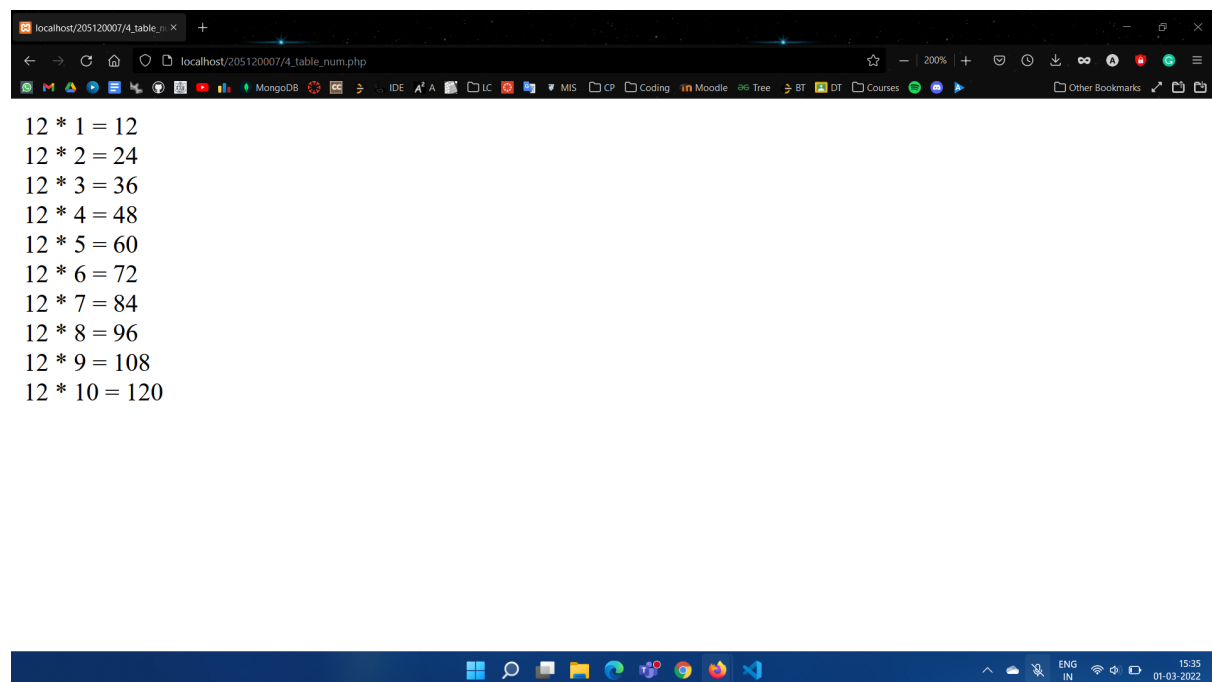
    echo "$num * $i = $product <br>";

}

?>

</body>

</html>
```



5) Factorial.

```
<!DOCTYPE html>

<html>
```

```
<body>

    <?php

        $num = 5;

        $ans = 1;

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

            $ans = $i * $ans;

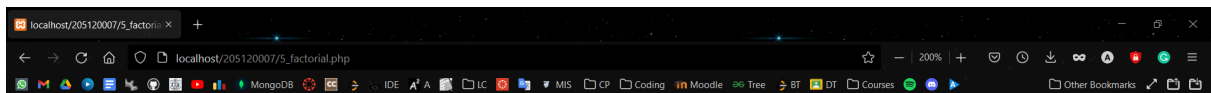
        }

        echo "Factorial of $num is $ans ";

    ?>

</body>

</html>
```



Factorial of 5 is 120



6) Armstrong number.

```
<!DOCTYPE html>

<html>

<body>

    <?php

        $num = 117;

        $total = 0;

        $x = $num;

        while ($x != 0) {

            $rem = $x % 10;

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

            $x = $x / 10;

        }

        if ($num == $total) {

            echo "$num is an Armstrong number.";

        } else {

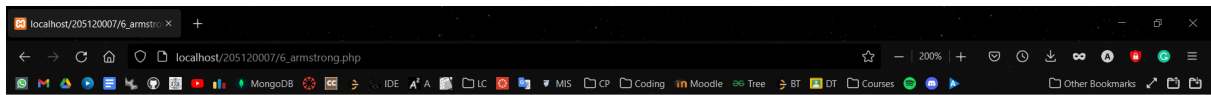
            echo "$num is not an Armstrong number.";

        }

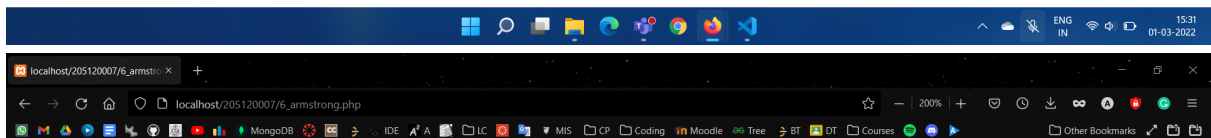
    ?>

</body>

</html>
```



407 is an Armstrong number.



117 is not an Armstrong number.



7) Palindrome number.

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<?php

$num = 121;

$p = $num;

$revnum = 0;

while ($num != 0) {

    $revnum = $revnum * 10 + $num % 10;

    $num = (int)($num / 10);

}

if ($revnum == $p) {

    echo "$p is Palindrome number";

} else {

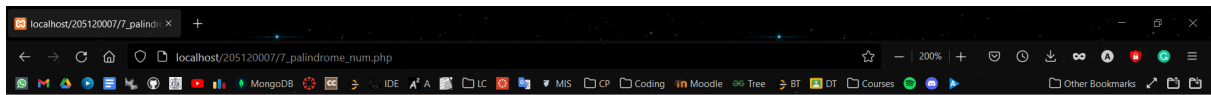
    echo "$p is not Palindrome number";

}

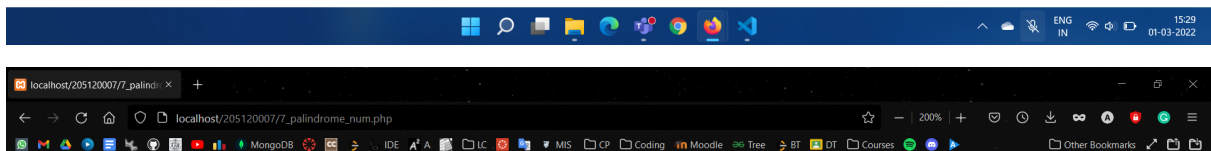
?>

</body>

</html>
```



121 is Palindrome number



123 is not Palindrome number



8) Fibonacci Series.

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<?php

    $num = 0;

    $n1 = 0;

    $n2 = 1;

    echo "<h3>Fibonacci series for first 15 numbers: </h3>";

    echo "\n";

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

    while ( $num < 13 )

    {

        $n3 = $n2 + $n1;

        echo $n3.' ' ;

        $n1 = $n2;

        $n2 = $n3;

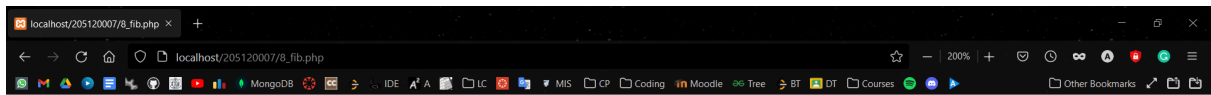
        $num = $num + 1;

    }

?>

</body>

</html>
```



Fibonacci series for first 15 numbers:

0 1 1 2 3 5 8 13 21 34 55 89 144 233 377

9) Reverse number

```
<!DOCTYPE html>

<html>

<body>

    <?php

        $num = 12345;

        $revnum = 0;

        while ($num > 1)

        {

            $rem = $num % 10;

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

            $num = ($num / 10);

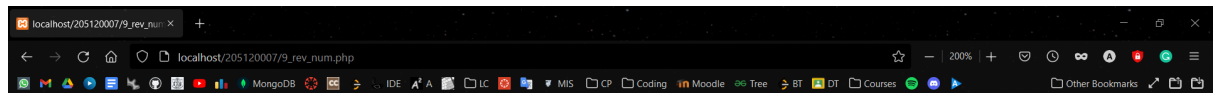
        }

        echo "<h3>Reverse number of 12345 is:</h3> $revnum";
```

```
?>

</body>

</html>
```



Reverse number of 12345 is:

54321



10) Reverse string

```
<!DOCTYPE html>

<html>

<body>

    <?php

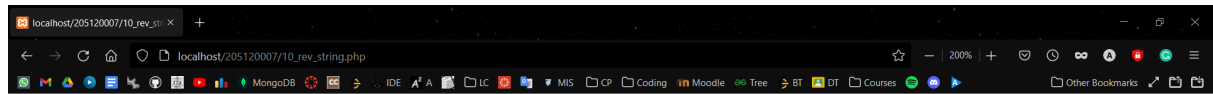
        $string = "Web Technology Lab";

        echo "<h3>Reverse string of \"\$string\" is:</h3> " .strrev (
$string );

    ?>

</body>
```

```
</html>
```



Reverse string of "Web Technology Lab" is:

baL ygolonhceT beW



11) Area of triangle

```
<!DOCTYPE html>

<html>

<body>

    <?php

        $base = 20;

        $height = 10;

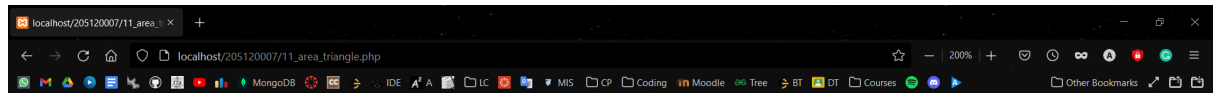
        echo "<h4>Area of Triangle with base = $base, and height = $height
: </h4>" . ($base * $height) / 2;

    ?>

</body>
```



```
</html>
```



Area of Triangle with base = 20, and height = 10 :

100

12) Leap year

```
<!DOCTYPE html>

<html>

<body>

    <?php

        function year_check($my_year){

            if ($my_year % 400 == 0)

                print($my_year . " is a leap year");

            else if ($my_year % 100 == 0)

                print($my_year . " is not a leap year");

            else if ($my_year % 4 == 0)
```

```
        print($my_year . " is a leap year");

    else

        print($my_year . " is not a leap year");

    }

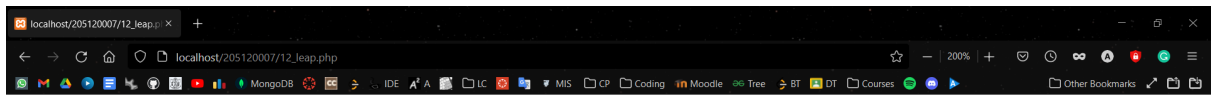
    $my_year = 1900;

    year_check($my_year);

?>

</body>

</html>
```



1900 is not a leap year



2004 is a leap year



13) Number triangle

```
<!DOCTYPE html>

<html>


<body>
```

```
<?php

$k = 1;

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

    for ($j = 0; $j <= $i; $j++) {

        echo $k . " ";

        $k++;

    }

    echo "<br>";

}

?>

</body>

</html>
```



```
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
```



X-X-X-X