PHP LAB PROGRAMS 2024

Lab programs

01)Write a php script to find the odd or even numbers from given numbers

```php
<?php

$number=123456;

if($number%2==0)

{

echo"$number is even number";

}

else

{

echo"$number is odd number";

}

?>
```

123456 is even number

02) WRITE A PHP SCRIPT TO FIND THE MAXIMUM OF THREE NUMBERS.

```php
<?php
$num1=33;

$num2=44;

$num3=19;

if(($num1>$num2)and($num1>$num2))

{

echo"$num1 is greater than three numbers";

}

else if(($num2>$num1)and($num2>$num3))

{

echo "$num2 is greater then three numbers";

}

else{

echo"$num3 is greater than three numbers";}?>
```

44 is greater then three numbers

PHP LAB PROGRAMS 2024

#03)write a php script to swap two numbers.

<?php

$num1=69;

$num2=96;

**Echo "original value of num1 and num2 are
";**

**Echo "num1=$num1 <br> num2=$num2

";**

$temp=$num1;

$num1=$num2;

$num2=$temp;

**Echo"after swapping num2 and num2 values
";**

**Echo"num1=$num1 <br> num2=$num2
";**

?>

original value of num1 and num2 are
num1=69
num2=96

after swapping num2 and num2 values
num1=96
num2=69

04)write a php program to find the factorial of a number.

```php
<?php
$num=5;
$fact=1;                            factorial of 5 is 120
$i=1;
while($i<=$num)
{
$fact=$fact*$i;
$i++;
}
echo "factorial of $num is $fact <br>";?>
```

PHP LAB PROGRAMS 2024

05) write the php program to check a number is palindrome or not

```php
<?php
$num=747;
$rev=0;                          747 is the palindrome number
$temp=$num;
while($num!=0)
{
$rem=$num%10;
$rev=$rev*10+$rem;
$num=floor($num/10);
}
if($temp==$rev)
{
echo"$temp is the palindrome number";
}
else
{
echo "$temp is not a palindrome number";
}
?>
```

06)write a php program to reverse the given number and calculate its sum.

```php
<?php
$num=498;
$rev=0;
$sum=0;
$temp=$num;
while($num !=0)
{
$rem=$num%10;
$rev=$rev*10+$rem;
$sum=$sum+$rem;
$num=floor($num/10);
```

```
}
echo "reverse of $temp is $rev <br>";

echo "sum of digits of $temp is $sum ";

?>
```

reverse of 498 is 894
sum of digits of 498 is 21

07) write a php script to generate a Fibonacci series using recursive function.

```
<?php

Function fib($num)

{

If($num<=1)

{

return $num;

}

Else

{

Return (fib($num-1)+fib($num-2));

}

}
$n=16;

For($i=0;$i<$n;$i++)

{

Echo fib($i). "  ";

}
```

0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610

PHP LAB PROGRAMS 2024

08)Write a php script to implement atleast seven string functions

```php
<?php
$string= "Abhi shek!";
echo "length :".strlen($string)."<br><br>";
echo "Lower case: ".strtolower($string)."<br><br>";
echo "Upper case: ".strtoupper($string)."<br><br>";
echo"Substring(from8):".substr($string, 8)."<br><br>";
echo"Replace 'shek' with
'aadidev':".str_replace("shek","aadidev1",$string)."<br><br>";
echo"Position of 'shek':".strpos($string,"shek")."<br><br>";
echo "Repeat 'abhi'  Four times :".str_repeat("AADIDEV ",4)."<br>";
?>
```

length :10

Lower case: abhi shek!

Upper case: ABHI SHEK!

Substring(from8):k!

Replace 'shek' with 'aadidev':Abhi aadidev1!

Position of 'shek':5

Repeat 'abhi' Four times :AADIDEV AADIDEV AADIDEV AADIDEV

09)Write a php program to insert new item in array of any position in php

```php
<?php
$arr=[1,2,3,5];
$pos=3;
$val=4;
array_splice($arr,$pos,0,$val);
print_r($arr);?>
```

Array ([0] => 1 [1] => 2 [2] => 3 [3] => 4 [4] => 5)

PHP LAB PROGRAMS 2024

10) write a php script to implement the constructor and destructor in thre php

```php
<?php
class MyClass
{
  public function __construct()
{
    echo "Constructor called!<br>";
  }
  public function __destruct()
{
    echo "Destructor called!<br>";
  }
  public function hello()
{
    echo "Hello, World!<br>";
  }
}
$obj = new MyClass();
$obj->hello();
?>
```

Constructor called!
Hello, World!
Destructor called!

PHP LAB PROGRAMS 2024

(PART –B)

13) write a php script that recives form input by the method post to check the number is prime or not

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <title>Check Prime Number</title>
</head>
<body>
   <h2>Check if a Number is Prime</h2>
   <form method="post" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
      Enter a number: <input type="text" name="number">
      <input type="submit" value="Check">
   </form>
   <br>

   <?php
     function isPrime($num)
{
        if ($num <= 1)
{
     return false;
   }

        for ($i = 2; $i * $i <= $num; $i++)
{
     if ($num % $i == 0)
{
        return false;
```

```php
        }
    }


    return true;
  }


  if ($_SERVER["REQUEST_METHOD"] == "POST")
 {
    $number = isset($_POST['number']) ? intval($_POST['number']) : 0;


    if ($number > 0)
{

    if (isPrime($number))
{

        echo "<p>$number is a prime number.</p>";
    } else {
        echo "<p>$number is not a prime number.</p>";
    }
    } else {
    echo "<p>Please enter a valid positive integer.</p>";

    }
  }
  ?>
</body>
</html>
```

Check if a Number is Prime

Enter a number: | 4 | Check |

4 is not a prime number.

Check if a Number is Prime

Enter a number: [2] [Check]

2 is a prime number.

14)write a php script that recives string as a form input

```php
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <title>Receive String Input</title>
</head>
<body>
   <h2>Receive String Input</h2>
   <form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
      Enter a string: <input type="text" name="input_string">
      <input type="submit" value="Submit">
   </form>
   <br>


   <?php
     if ($_SERVER["REQUEST_METHOD"] == "POST")
{


      $inputString = isset($_POST['input_string']) ? $_POST['input_string'] : '';
      echo "<p>You entered: <strong>$inputString</strong></p>";
   }
   ?>
```

```
</body>
</html>
```

Receive String Input

Enter a string: | abhishek | Submit |

You entered: **abhishek**

11)Write a php script to implement form handling using get method.

<!DOCTYPE html>   (save as index.html) localhost/index.html   to execute

```
<html>
<body>
    <form action="handle_form.php" method="get">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required>
        <br><br>
        <label for="age">Age:</label>
        <input type="text" id="age" name="age" required>
        <br><br>
        <input type="submit" value="Submit">
    </form>
</body>
</html>
```

php(handle_form.php)

```
<!DOCTYPE html>
<html>
<body>
  WELCOME <?php echo $_GET['name'];?><br>
  YOUR AGE IS :<?php echo  $_GET['age'];?><br>
</body>
</html>
```

PHP LAB PROGRAMS 2024

Name: Abhishek.I

WELCOME Abhishek.B
YOUR AGE IS :12

Age: 12

Submit

WELCOME Abhishek.B
YOUR AGE IS :12

12)write a php script to implement form handling using post method

<!DOCTYPE html>   (save as index.html) localhost/index.html   to execute

<html>

<body>

```
  <form action="handle_form.php" method="POST">

    <label for="name">Name:</label>

    <input type="text" id="name" name="name" required>

    <br><br>

    <label for="age">Age:</label>

    <input type="text" id="age" name="age" required>

    <br><br>

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

  </form>

</body>

</html>
```

php(handle_form.php)

```
<!DOCTYPE html>

<html>

<body>

  WELCOME <?php echo $_POST['name'];?><br>

  YOUR AGE IS :<?php echo  $_POST['age'];?><br>

</body>

</html>
```

PHP LAB PROGRAMS 2024

Name: [   ]

Age: [   ]

[Submit]

WELCOME Abhishek.B
YOUR AGE IS :12

15)write a php script to compute addition of two matrices as a form input

```
<!DOCTYPE html>

<html>

<head>

  <title>Addition of Matrices</title>

</head>

<body>

  <h2>Matrix Addition</h2>

  <form method="post">

    <label>Enter number of rows:</label>

    <input type="number" name="rows" value="<?php if(isset($_POST['rows'])) echo $_POST['rows']; ?>" required><br><br>

    <label>Enter number of columns:</label>

    <input type="number" name="cols" value="<?php if(isset($_POST['cols'])) echo $_POST['cols']; ?>" required><br><br>
```

```php
<h3>Enter Matrix 1:</h3>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $rows = $_POST['rows'];
    $cols = $_POST['cols'];


    echo '<table border="1">';
    for ($i = 0; $i < $rows; $i++) {
        echo '<tr>';
        for ($j = 0; $j < $cols; $j++) {
            $value = isset($_POST['matrix1'][$i][$j]) ? $_POST['matrix1'][$i][$j] : '';
echo '<td><
            input type="number" name="matrix1['.$i.']['.$j.']" value="'.$value.'" required>
        </td>';
        }
        echo '</tr>';
    }
    echo '</table>';
}
?>


<h3>Enter Matrix 2:</h3>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $rows = $_POST['rows'];
    $cols = $_POST['cols'];


    echo '<table border="1">';
    for ($i = 0; $i < $rows; $i++) {
        echo '<tr>';
        for ($j = 0; $j < $cols; $j++) {
```

```php
            $value = isset($_POST['matrix2'][$i][$j]) ? $_POST['matrix2'][$i][$j] : '';

            echo '<td><input type="number" name="matrix2['.$i.']['.$j.']" value="'.$value.'"
required></td>';

        }

        echo '</tr>';

    }

    echo '</table>';

}

?>


    <br><br>

    <input type="submit" value="Add Matrices">

</form>


<h3>Result:</h3>

<?php

if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $rows = $_POST['rows'];

    $cols = $_POST['cols'];


    echo '<table border="1">';

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

        echo '<tr>';

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

            $matrix1_value = isset($_POST['matrix1'][$i][$j]) ? $_POST['matrix1'][$i][$j] : 0;

            $matrix2_value = isset($_POST['matrix2'][$i][$j]) ? $_POST['matrix2'][$i][$j] : 0;

            $result[$i][$j] = $matrix1_value + $matrix2_value;

            echo '<td>'.$result[$i][$j].'</td>';

        }

        echo '</tr>';

    }
```

```
    echo '</table>';
  }
  ?>
</body>
</html>
```

Matrix Addition

Enter number of rows:

Enter number of columns:

Enter Matrix 1:

2	2
2	2

Enter Matrix 2:

2	2
2	2

Add Matrices

Result:

4	4
4	4

PHP LAB PROGRAMS 2024

16) write a script to show the functionality of date and time functionality

```php
<!DOCTYPE html>
<html>
<body>
  <h2>Date and Time in PHP</h2>
  <h3>Current Date and Time:</h3>
  <?php
  echo "Current Date: " . date("Y-m-d") . "<br>";
  echo "Current Time: " . date("H:i:s") . "<br>";
  ?>


  <h3>Displaying Different Timezones:</h3>
  <?php
  $timezones = ['America/New_York', 'Europe/London', 'Asia/Tokyo'];
  foreach ($timezones as $timezone) {
    date_default_timezone_set($timezone);
    echo "Time in " . $timezone . ": " . date("Y-m-d H:i:s") . "<br>";
  }
  ?>
  <h3>Manipulating Dates:</h3>
  <?php
  echo "Tomorrow's Date: " . date("Y-m-d", strtotime("+1 day")) . "<br>";
  echo "Date after 1 week: " . date("Y-m-d", strtotime("+1 week")) . "<br>";
  echo "First day of next month: " . date("Y-m-01", strtotime("next month")) . "<br>";
  ?>


  <h3>Date Difference:</h3>
  <?php
  $date1 = new DateTime('2024-07-17');
```

```php
    $date2 = new DateTime('2024-07-25');

    $interval = $date1->diff($date2);

    echo "Difference between " . $date1->format('Y-m-d') . " and " . $date2->format('Y-m-d') .
": " . $interval->format('%R%a days') . "<br>";

    ?>
```

Day of the Week:

```php
    <?php

    echo "Today is " . date("l") . "<br>";

    echo "Tomorrow is " . date("l", strtotime("+1 day")) . "<br>";

    echo "Next Monday will be " . date("Y-m-d", strtotime("next Monday")) . "<br>";

    ?>
```

Leap Year Check:

```php
    <?php

    $year = 2024;

    echo "$year is " . (date("L", mktime(0, 0, 0, 1, 1, $year)) ? "a leap year." : "not a leap
year.") . "<br>";

    ?>
</body>

</html>
```

Date and Time in PHP

Current Date and Time:
Current Date: 2024-07-17
Current Time: 14:57:25

Displaying Different Timezones:
Time in America/New_York: 2024-07-17 08:57:25
Time in Europe/London: 2024-07-17 13:57:25
Time in Asia/Tokyo: 2024-07-17 21:57:25

PHP LAB PROGRAMS 2024

Manipulating Dates:
Tomorrow's Date: 2024-07-18
Date after 1 week: 2024-07-24
First day of next month: 2024-08-01

Date Difference:
Difference between 2024-07-17 and 2024-07-25: +8 days

Day of the Week:
Today is Wednesday
Tomorrow is Thursday
Next Monday will be 2024-07-22

Leap Year Check:
2024 is a leap year.

17)