

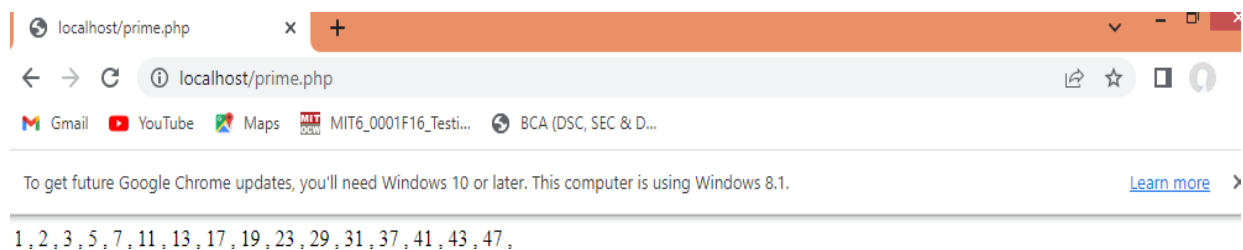
## PHP LAB

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1. Develop a PHP program to display prime numbers between the given ranges and display the total number of prime numbers.

```
<?php
$number=1;
while($number <50)
{
$div_count=0;
for ($i=1;$i<=$number;$i++)
{
if(($number%$i)==0)
{
$div_count++;
}
}
if($div_count<3)
{
echo $number." , ";
}
$number=$number+1;
}
?>
```

\*\*\*\*\*OUTPUT\*\*\*\*\*



2. Develop a PHP program and check message passing mechanism between pages.

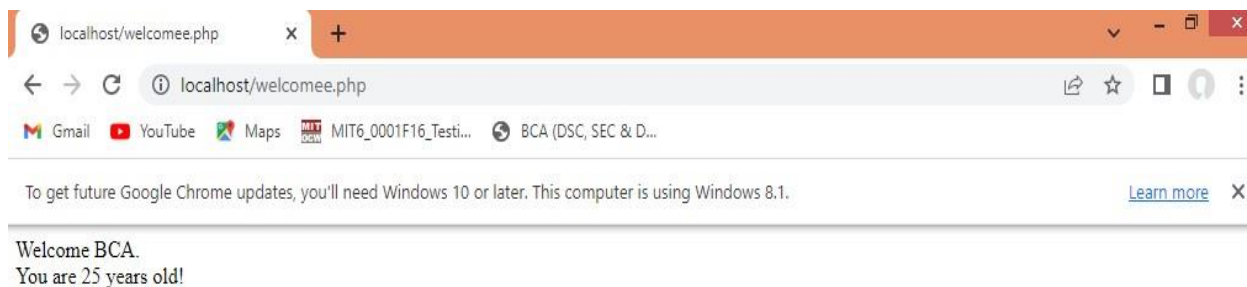
form1.php

```
<html>
<body>
<form action="welcome1.php" method="post">
Name: <input type="text" name="fname" />
Age: <input type="text" name="age" />
<input type="submit" />
</form>
</body>
</html>
```

welcome1.php

```
<html>
<body>
Welcome <?php echo $_POST["fname"]; ?>.<br />
You are <?php echo $_POST["age"]; ?> years old!
</body>
</html>
```

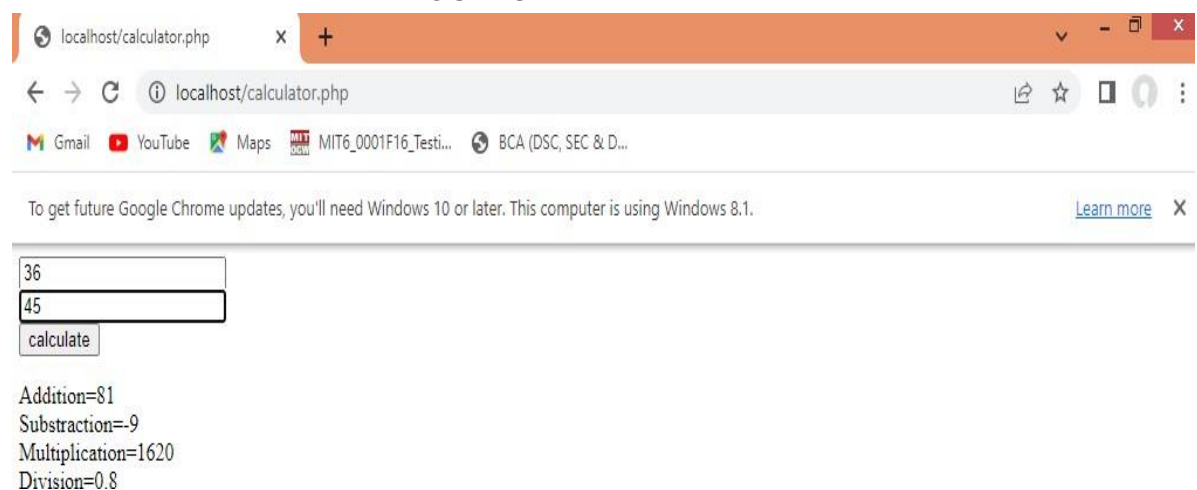
\*\*\*\*\*OUTPUT\*\*\*\*\*



3. Write a PHP program to implement simple calculator operations.

```
<html>
<body>
<form method="post">
<input type="text" name="num1"/><br>
<input type="text" name="num2"/><br>
<input type="submit" name="submit" value="calculate"/><br>
</form>
<?php
if(isset($_POST['submit']))
{
$a=$_POST['num1'];
$b=$_POST['num2'];
echo "Addition=".(($a+$b))."<br>";
echo "Substraction=".(($a-$b))."<br>";
echo "Multiplication=".(($a*$b))."<br>";
echo "Division=".(($a/$b))."<br>";
}
?>
</body>
</html>
```

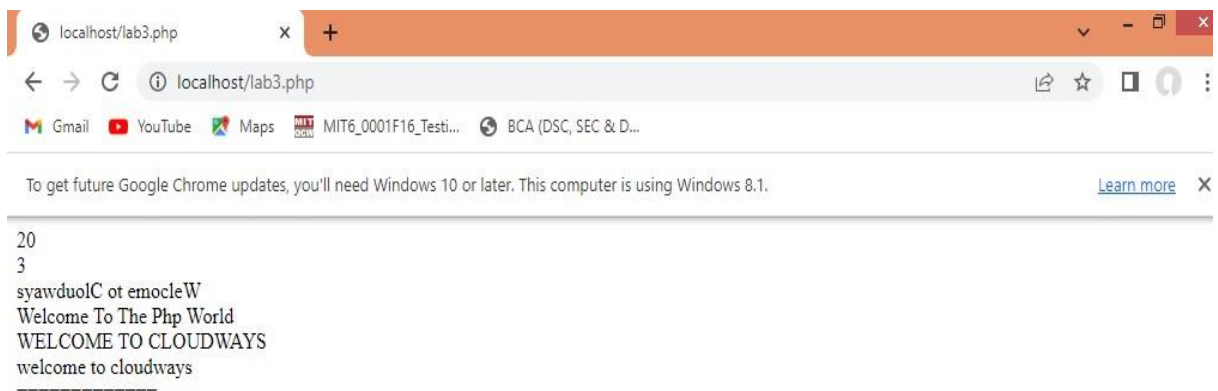
\*\*\*\*\*OUTPUT\*\*\*\*\*



### 4. Develop a PHP program to demonstrate String functions.(any 6)

```
<html>
<body>
<?php
echo strlen("Welcome to Cloudways");
echo "<br>";
echo str_word_count("Welcome to Cloudways");
echo "<br>";
echo strrev("Welcome to Cloudways");
echo "<br>";
echo ucwords("welcome to the php world");
echo "<br>";
echo strtoupper("welcome to cloudways");
echo "<br>";
echo strtolower("WELCOME TO CLOUDWAYS");
echo "<br>";
echo str_repeat("=",13);
echo "<br>";
?>
</body>
</html>
```

\*\*\*\*\*OUTPUT\*\*\*\*\*

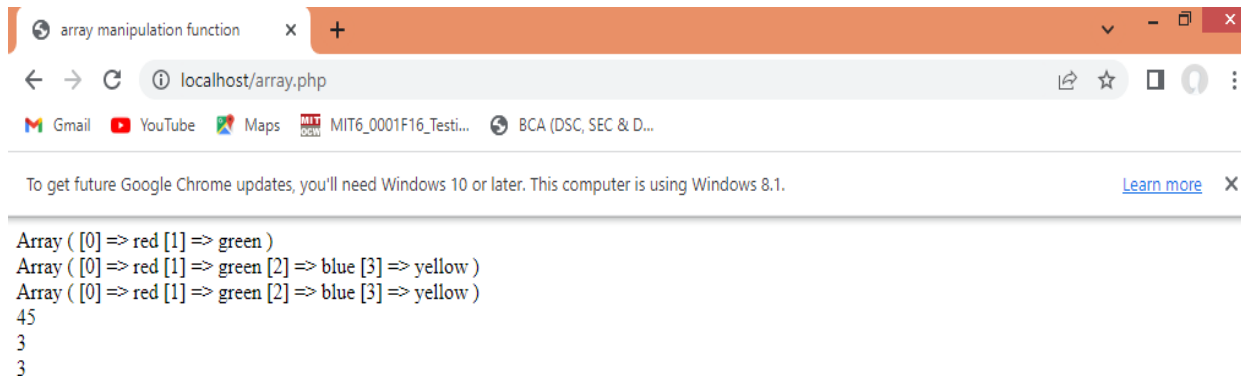


5. Write a PHP program to illustrate built in array manipulation functions. (Any 6)

```
<html>
<head>
<title> array manipulation function</title>
</head>
<body>
<?php
$a=array("red","green","blue");
array_pop($a);
print_r($a);
?>
<br/>
<?php
$a=array("red","green");
array_push($a,"blue","yellow");
print_r($a);
?>
<br/>
<?php
$a1=array("red","green");
$a2=array("blue","yellow");
print_r(array_merge($a1,$a2));
?>
<br/>
<?php
$a=array(5,15,25);
echo array_sum($a);
```

```
?>
<br/>
<?php
$cars=array("Volvo","BMW","Toyota");
echo count($cars);
?>
<br/>
<?php
$cars=array("Volvo","BMW","Toyota");
echo sizeof($cars);
?>
</body>
</html>
```

\*\*\*\*\*OUTPUT\*\*\*\*\*



6. Write a PHP program that displays a different message based on time of day. For example page should display “Good Morning” if it is accessed in the morning

```
<?php
date_default_timezone_set("Asia/Kolkata");
$h=date('G');
if($h>=5 && $h<=11)
{
echo "good morning";
}
else if($h>=12 && $h<=15)
{
echo "good afternoon";
}
else if($h>=18 && $h<=21)
{
echo "good evening";
}
else
{
echo "good night";
}
?>
```

\*\*\*\*\*OUTPUT\*\*\*\*\*



7. Write a PHP program that accepts two numbers using a web form and calculates greatest common divisor (GCD) and least common multiple (LCM) of entered numbers. (Use recursive function)

```
<?php
function getGCD($a, $b)
{
    if ($b == 0)
    {
        return $a;
    }
    Else
    {
        return getGCD($b, $a % $b);
    }
}
function getLCM($a, $b)
{
    return ($a * $b) / getGCD($a, $b);
}
?>
<?php
    if (!isset($_POST['submit']))
    {
?>
<form method="post" action="gcf_lcm.php">
Enter two integers: <br />
<input type="text" name="num_1" size="4" />
<p>
<input type="text" name="num_2" size="4" />
```



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```
<p>
<input type="submit" name="submit" value="Submit" />
</form>
<?php
}
else
{
$num1 = (int)$_POST['num_1'];
$num2 = (int)$_POST['num_2'];
echo "You entered: $num1, $num2";
echo "<br />";
echo "The GCD of ($num1, $num2) is: " . getGCD($num1, $num2);
echo "<br />";
echo "The LCM of ($num1, $num2) is: " . getLCM($num1, $num2);
}
?>
</body>
</html>
```

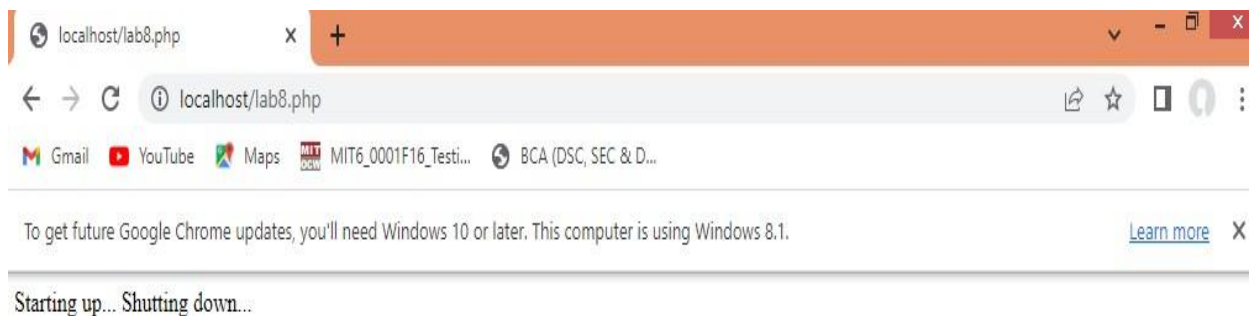
\*\*\*\*\*OUTPUT\*\*\*\*\*



8. Develop a PHP program to demonstrate constructors and destructors.

```
<?php
class Machine
{
function __construct()
{
echo "Starting up...\n";
}
function __destruct()
{
echo "Shutting down...\n";
}
}
$m = new Machine();
unset($m);
?>
```

\*\*\*\*\*OUTPUT\*\*\*\*\*



9. Develop a PHP code to read the values entered into the form using the MySQL database.

### Connection.php

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "mydb";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
echo "Connected successfully";
?>
```

### Registration.php

```
<?php
if(isset($_POST['register']))
{
    include 'index.php';
    $name = $_POST['name'];
    $un = $_POST['username'];
    $email = $_POST['email'];
    $pass = $_POST['password'];
    $conpass = $_POST['conpassword'];
    $query = "INSERT INTO registration(name, username, email, Password, ConPassword) VALUES
('$name', '$un', '$email', '$pass', '$conpass')";

    $result = mysqli_query($conn, $query);
    if($result){
        echo '<script type="text/javascript">';
        echo ' alert("DATA IS SAVED"); //not showing an alert box.';
        echo '</script>';
    }
    else{
        echo '<script type="text/javascript">';
        echo ' alert("DATA NOT INSERTED"); //not showing an alert box.';
        echo '</script>';
    }
}
```

```
    mysqli_close($conn);
}
?>
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css" integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
  </head>
<body>

<h2>HTML Forms</h2>

<form name="registration" method="post" style="margin: 150px;margin-top: 0px;border:2px dashed
gray;padding: 10px;">
  <div class="form-group">
    <label for="exampleInputEmail1">Name</label>
    <input type="text" class="form-control" id="name" name="name" placeholder="Enter name">
  </div>
  <div class="form-group">
    <label for="exampleInputEmail1">User Name</label>
    <input type="text" class="form-control" id="username" name="username" placeholder="Enter
name">
  </div>
  <div class="form-group">
    <label for="exampleInputEmail1">Email address</label>
    <input type="email" class="form-control" name="email" aria-describedby="emailHelp"
placeholder="Enter email">
  </div>
  <div class="form-group">
    <label for="exampleInputPassword1">Password</label>
    <input type="password" class="form-control" name="password" id="exampleInputPassword1"
placeholder="Password">
  </div>
  <div class="form-group">
    <label for="exampleInputPassword1">Cofirm Password</label>
    <input type="password" class="form-control" name="conpassword" id="exampleInputPassword1"
placeholder="Password">
  </div>

  <button type="submit" name="register" class="btn btn-primary">Submit</button>

</form>
<table class="table">
```

```
<thead>
  <tr>
    <th scope="col">name</th>
    <th scope="col">username</th>
    <th scope="col">email</th>
    <th scope="col">password</th>
    <th scope="col">delete</th>
    <th scope="col">update</th>
  </tr>
</thead>
<tbody>
  <?php
  include 'index.php';
  $query = "SELECT * FROM registration";
  $result = mysqli_query($conn, $query);
  while($rows = mysqli_fetch_array($result))
  {
    ?>
    <tr>
      <td><?php echo $rows['name']; ?></td>
      <td><?php echo $rows['username']; ?></td>
      <td><?php echo $rows['email']; ?></td>
      <td><?php echo $rows['Password']; ?></td>
      <td><a href='crud.php?del_user=<?php echo $rows['name']; ?>'><button type="submit"
class="btn btn-danger btn-sm" style="font-size: 12px;" style="border-
radius:50px">DELETE</button></a></td>
      <td><a href='update.php?update_user=<?php echo $rows['name']; ?>'><button type="submit"
class="btn btn-danger btn-sm" style="font-size: 12px;" style="border-
radius:50px">update</button></a></td>

    </tr>
  <?php
  }
  ?>
</tbody>
</html>
```

### **CRUD.php**

```
<?php
include 'index.php';
if(isset($_GET['del_user']))
{
  $id = $_GET['del_user'];
  $query = "DELETE FROM registration WHERE name= '$id'";
```

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```
$result = mysqli_query($conn, $query);  
echo "<meta http-equiv='refresh' content='0;url=reg.php'>";  
}  
?>
```

\*\*\*\*\*OUTPUT\*\*\*\*\*

**HTML Forms**

Name

User Name

Email address

Password

Cofirm Password

Connected successfully

name	username	email	password	delete	update
Kavita	kavita	k@gmail.com	12	<input type="button" value="DELETE"/>	<input type="button" value="update"/>

10. Create Laravel Project using composer display Simple “Hello World” Message on Web page.

### **routes\web.php**

```
<?php

use Illuminate\Support\Facades\Route;

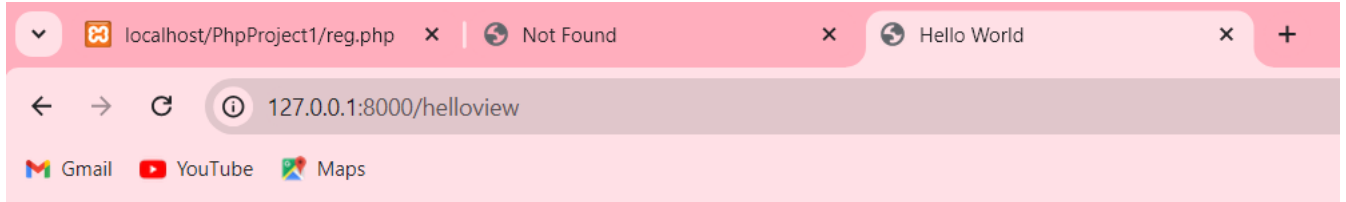
/*
|-----
| Web Routes
|-----
|
| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider within a group which
| contains the "web" middleware group. Now create something great!
|
*/

Route::get('/helloview', function () {
    return view('hello');
});
```

### **resources\views\hello.blade.php**

```
<!DOCTYPE html>
<html>
<head>
    <title>Hello World</title>
</head>
<body>
    <h1>Hello, World!</h1>
</body>
</html>
```

\*\*\*\*\*OUTPUT\*\*\*\*\*



**Hello, World!**