

### ***Tutorial-1***

#### **1) Create a registration form and display the values of the form fields.**

- **Tu1\_1.blade.php: -**

```
@extends('layout')
```

```
@section('title', 'Registration')
```

```
@section('content')
```

```
<div class="container mt-3">
```

```
    <h3>Registration Form</h3>
```

```
    <form action="{{ URL::to('/') }}/Tu1_1_1" method="post" enctype="multipart/form-  
data">
```

```
        @csrf
```

```
        <div class="mb-3 mt-3">
```

```
            <label for="name" class="form-label">Name:</label>
```

```
            <input type="text" class="form-control" id="name" placeholder="Enter name"  
name="name" value="{{ old('name') }}">
```

```
            <span class="text-danger">@error('name'){{$message}} @enderror</span>
```

```
        </div>
```

```
        <div class="mb-3 mt-3">
```

```
            <label for="email" class="form-label">Email:</label>
```

```
            <input type="email" class="form-control" id="email" placeholder="Enter email"  
name="email" value="{{ old('email') }}">
```

```
            <span class="text-danger">@error('email'){{$message}} @enderror</span>
```

```
        </div>
```

```
        <div class="mb-3 mt-3">
```

```
            <label for="no" class="form-label">Mobile No.:</label>
```

```
            <input type="number" class="form-control" id="no" placeholder="Enter Mobile No."  
name="no" value="{{ old('no') }}">
```

```
            <span class="text-danger">@error('no'){{$message}} @enderror</span>
```

```
        </div>
```

```
        <div class="mb-3">
```

```
            <label for="password" class="form-label">Password:</label>
```

```
            <input type="password" class="form-control" id="password" placeholder="Enter  
password" name="password" >
```

```
            <span class="text-danger">@error('password'){{$message}} @enderror</span>
```

</div>

<label for="gender">Select gender: </label>

<div class="form-check">

<input type="radio" class="form-check-input" id="radio1" name="optradio" value="Male">

<label class="form-check-label" for="radio1">Male</label>

</div>

<div class="form-check">

<input type="radio" class="form-check-input" id="radio2" name="optradio" value="Female">

<label class="form-check-label" for="radio2">Female</label>

</div>

<div class="form-check">

<input type="radio" class="form-check-input" id="radio3" name="optradio" value="Others">

<label class="form-check-label">Others</label>

</div>

<span class="text-danger">@error('optradio'){{\$message}} @enderror</span>

<label>Select Subjects :</label>

<div class="form-check">

<input class="form-check-input" type="checkbox" id="check1" name="subject[]" value="WDUF">

<label class="form-check-label">WDUF</label>

</div>

<div class="form-check">

<input class="form-check-input" type="checkbox" id="check2" name="subject[]" value="SAD">

<label class="form-check-label">SAD</label>

</div>

<div class="form-check">

<input class="form-check-input" type="checkbox" id="check3" name="subject[]" value="MAD">

<label class="form-check-label">MAD</label>

</div>

<span class="text-danger">@error('subject'){{\$message}} @enderror</span>

<div class="mb-3">

<label for="img" class="form-label">Select Image :</label>

<input type="file" name="file1" id="img1" ><br>

<span class="text-danger">@error('file1'){{\$message}} @enderror</span>

</div>

```
<button type="submit" class="btn btn-primary form-control">Submit</button>
</form>
</div>
@endsection

{{-- @include('footer') --}}
```

- **Tu1\_1\_1.blade.php:-**

```
@extends('layout')

@section('title', 'Registration')

@section('content')
<div class="container mt-3">
<h2>Registration Data Table</h2>
<table class="table table-bordered">
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Mobile No.</th>
<th>Password</th>
<th>Gender</th>
<th>Subjects</th>
<th>File Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>{{ $value->name }}</td>
<td>{{ $value->email }}</td>
<td>{{ $value->no }}</td>
<td>{{ $value->password }}</td>
<td>{{ $value->optradio }}</td>
@php
$a = implode(",",$value->subject);
@endphp
<td>{{ $a }}</td>
</tr>
</tbody>
</table>
</div>
</section>
```

```

<td></td>
</tr>
</tbody>
</table>
</div>
@endsection
{{-- @include('footer') --}}

```

- **RegistrationController.php :-**

```

<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class RegistrationController extends Controller
{
    public function Tu1_1()
    {
        return view('Tu1_1');
    }
    public function Tu1_1_1(Request $value)
    {
        $validate = $value->validate([
            'name' => 'required|min:2|max:15|regex:/^[A-Za-z\s]+$/ ',
            'email' => 'required|email',
            'no' => 'required|numeric|max_digits:10|min_digits:10',
            'password' => 'required',
            'file1' => 'required'
        ]);
        $file_name = $value->file('file1');
        $org_file_name = $file_name->getClientOriginalName();
        $file_name->move('uploads/', $org_file_name);
        return view('Tu1_1_1', compact('value', 'org_file_name'));
    }
}

```

- **web.php :-**

```

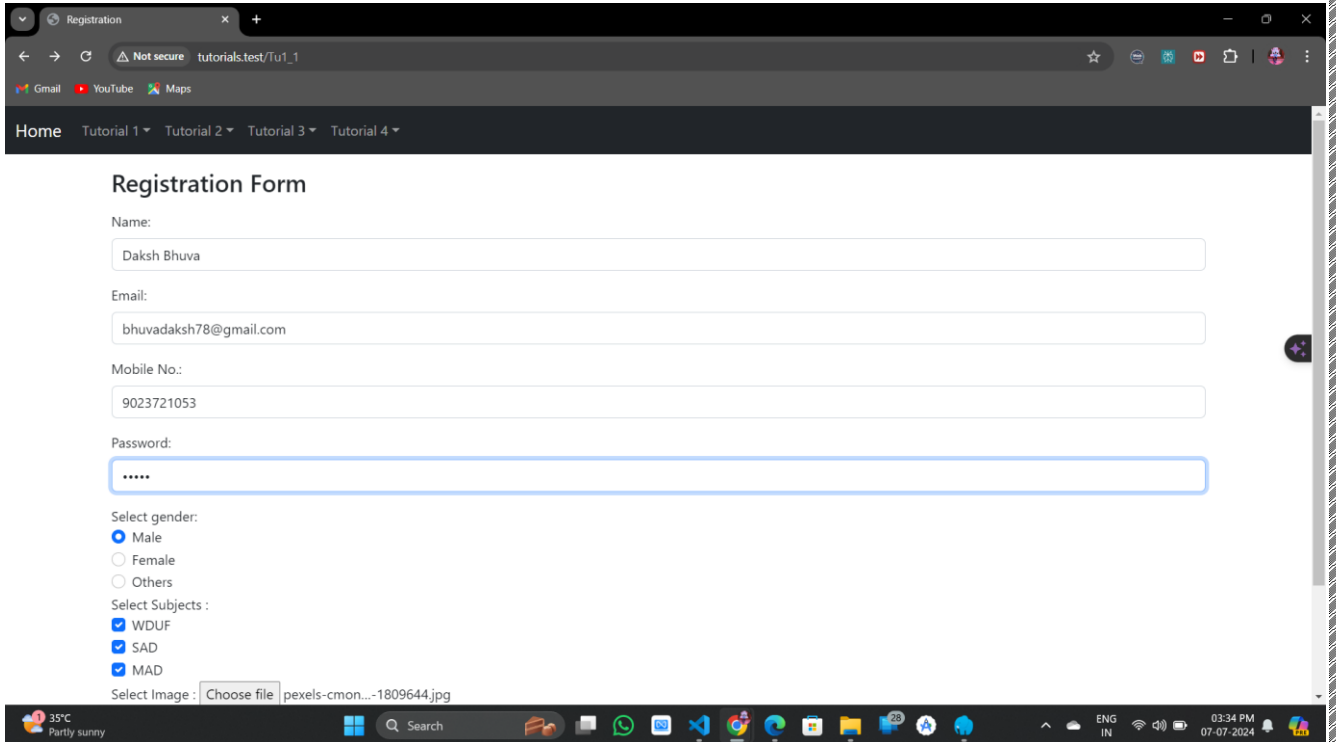
<?php

```

use Illuminate\Support\Facades\Route;  
use App\Http\Controllers\RegistrationController;

```
Route::get('/Tu1_1',[RegistrationController::class,'Tu1_1']);  
Route::post('/Tu1_1_1',[RegistrationController::class,'Tu1_1_1']);
```

• **Output :-**



The screenshot shows a web browser window with the address bar displaying 'tutorials.test/Tu1\_1'. The page has a dark navigation bar with links: Home, Tutorial 1, Tutorial 2, Tutorial 3, and Tutorial 4. The main content area is titled 'Registration Form' and contains the following fields and options:

- Name:** A text input field containing 'Daksh Bhuva'.
- Email:** A text input field containing 'bhuvadaksh78@gmail.com'.
- Mobile No.:** A text input field containing '9023721053'.
- Password:** A password input field with masked characters '.....'.
- Select gender:** Radio button options for 'Male' (selected), 'Female', and 'Others'.
- Select Subjects :** Checkboxes for 'WDUF', 'SAD', and 'MAD', all of which are checked.
- Select Image :** A 'Choose file' button and a preview of a selected image 'pexels-cmon...-1809644.jpg'.

The Windows taskbar at the bottom shows the system clock as 03:34 PM on 07-07-2024, along with various system icons and open applications.

Registration

tutorials.test/Tu1\_1

Daksh Bhuva

Email: bhuvadaksh78@gmail.com

Mobile No.: 9023721053

Password: \*\*\*\*\*

Select gender:  
☒ Male  
☐ Female  
☐ Others

Select Subjects :  
☒ WDUF  
☒ SAD  
☒ MAD

Select Image : Choose file pexels-cmon...-1809644.jpg

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Registration

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### Registration Data Table

Name	Email	Mobile No.	Password	Gender	Subjects	File Name
Daksh Bhuva	bhuvadaksh78@gmail.com	9023721053	1234567	Male	WDUF,SAD,MAD	

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2) Create an MCQ quiz of 10 Questions that displays the score after attempting the questions.

- Tu1\_2.blade.php :-

```
@extends('layout')
@section('content')
<body>
  <div class="container">
    <h1>MCQ'S Quiz for 10 Questions.</h1>
    <form action="{{ URL::to('/') }}" method="post"><br>
      @csrf
      <label for="mcq1" class="text h2">1. Who Created Laravel?</label><br>
      <input type="radio" class="ms-3" name="q1" value="Margon Stan"> Margon Stan
      <input type="radio" class="ms-3" name="q1" value="Taylor Otwell"> Taylor Otwell
      <input type="radio" class="ms-3" name="q1" value="Samsy Twig"> Samsy Twig
      <input type="radio" class="ms-3" name="q1" value="None of these"> None of these
      <br><br>

      <label for="mcq2" class="text h2">2. Command to start Laravel
Application?</label><br>
      <input type="radio" class="ms-3" name="q2" value="php artisan serve"> php artisan
serve
      <input type="radio" class="ms-3" name="q2" value="php artisan start"> php artisan
start
      <input type="radio" class="ms-3" name="q2" value="php artisan"> php artisan
      <input type="radio" class="ms-3" name="q2" value="php artisan new"> php artisan
new
      <br><br>

      <label for="mcq3" class="text h2">3. What is laravel?</label><br>
      <input type="radio" class="ms-3" name="q3" value="Framework"> Framework
      <input type="radio" class="ms-3" name="q3" value="Programing Language">
Programing Language
      <input type="radio" class="ms-3" name="q3" value="Database"> Database
      <input type="radio" class="ms-3" name="q3" value="None of these"> None of these
      <br><br>

      <label for="mcq4" class="text h2">4. Command to get the route list in
Laravel?</label><br>
      <input type="radio" class="ms-3" name="q4" value="php artisan list : route"> php
artisan route:list
      <input type="radio" class="ms-3" name="q4" value="php artisan :list"> php artisan :list
      <input type="radio" class="ms-3" name="q4" value="php artisan route:list"> php
artisan route:list
```

☐ php artisan list :all

<br><br>

<label for="mcq5" class="text h2">5. What is the purpose of the .env file?</label><br>

☐ To store the environment variables

☐ To store the database credentials

☐ To store the application configuration

☐ To store the variables

<br><br>

<label for="mcq6" class="text h2">6. Laravel is based on which design pattern?</label><br>

☐ MVC

☐ MVP

☐ MVVM

☐ None of these

<br><br>

<label for="mcq7" class="text h2">7. Command to create a controller in Laravel ?</label><br>

☐ php artisan make:controller Mycontroller

☐ php artisan create:controller

☐ php artisan makxe:controller

☐ None of these

<br><br>

<label for="mcq8" class="text h2">8. Command to check the current version of the Laravel Framework?</label><br>

☐ php artisan main --version

☐ php artisan --version status

```
<input type="radio" class="ms-3" name="q8" value="php artisan check --version"> php
artisan check --version
```

```
<input type="radio" class="ms-3" name="q8" value="php artisan --version"> php
artisan --version
```

```
<br><br>
```

```
<label for="mcq9" class="text h2">9. What are the ways to get the data from database
in laravel?</label><br>
```

```
<input type="radio" class="ms-3" name="q9" value="Query Builder"> Query Builder
```

```
<input type="radio" class="ms-3" name="q9" value="Eloquent"> Eloquent
```

```
<input type="radio" class="ms-3" name="q9" value="A & B both"> A & B both
```

```
<input type="radio" class="ms-3" name="q9" value="None of these"> None of these
```

```
<br><br>
```

```
<label for="mcq10" class="text h2">10. Full form of ORM in laravel?</label><br>
```

```
<input type="radio" class="ms-3" name="q10" value="Object Relational Mapping">
```

```
Object Relational Mapping
```

```
<input type="radio" class="ms-3" name="q10" value="Object Relational Master">
```

```
Object Relational Master
```

```
<input type="radio" class="ms-3" name="q10" value="Object Relational Manager">
```

```
Object Relational Manager
```

```
<input type="radio" class="ms-3" name="q10" value="Object Relational Model">
```

```
Object Relational Model
```

```
<br><br>
```

```
<button type="submit" class="btn btn-primary form-control">Submit</button>
```

```
</form>
```

```
</div>
```

```
</body>
```

```
@endsection
```

```
{{-- @include('footer') --}}
```

- **Tu1\_2\_1.blade.php :-**

```
@extends('layout')
```

```
@section('content')
```

```
<?php $count=0;?>
```

```
@if($quz['q1']=='Taylor Otwell')
```

```
<?php $count++;?>
```

```
@endif
```

```
@if($quz['q2']=='php artisan serve')
    <?php $count++;?>
@endif

@if($quz['q3']=='Framework')
    <?php $count++;?>
@endif

@if($quz['q4']=='php artisan route:list')
    <?php $count++;?>
@endif

@if($quz['q5']=='To store the environment variables')
    <?php $count++;?>
@endif

@if($quz['q6']=='MVC')
    <?php $count++;?>
@endif

@if($quz['q7']=='php artisan make:controller')
    <?php $count++;?>
@endif

@if($quz['q8']=='php artisan --version')
    <?php $count++;?>
@endif
@if($quz['q9']=='A & B both')
    <?php $count++;?>
@endif
@if($quz['q10']=='Object Relational Mapping')
    <?php $count++;?>
@endif

<?php echo "<h1>Your total score is ".$count. " out of 10</h1>" ?>
@endsection
```

- **RegistrationController.php :-**

```
<?php
```

```
namespace App\Http\Controllers;
```

```
use Illuminate\Http\Request;
```

```
class RegistrationController extends Controller
{
    public function Tu1_2()
    {
        return view('Tu1_2');
    }
    public function Tu1_2_1(Request $quz)
    {
        $data = $quz->all(); // Capture all input data from the request
        return view('Tu1_2_1', compact('quz'));
    }
}
```

- **web.php :-**

```
<?php
```

```
use Illuminate\Support\Facades\Route;
```

```
use App\Http\Controllers\RegistrationController;
```

```
Route::get('/Tu1_2',[RegistrationController::class,'Tu1_2']);
```

```
Route::post('/Tu1_2_1',[RegistrationController::class,'Tu1_2_1']);
```

- **Output :-**

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### MCQ'S Quiz for 10 Questions.

1. Who Created Laravel?  
☐ Margon Stan ☒ Taylor Otwell ☐ Samsy Twig ☐ None of these
2. Command to start Laravel Application?  
☒ php artisan serve ☐ php artisan start ☐ php artisan ☐ php artisan new
3. What is laravel?  
☒ Framework ☐ Programing Language ☐ Database ☐ None of these
4. Command to get the route list in Laravel?  
☐ php artisan route:list ☐ php artisan :list ☒ php artisan route:list ☐ php artisan list :all
5. What is the purpose of the .env file?  
☒ To store the environment variables ☐ To store the database credentials ☐ To store the application configuration ☐ To store the variables
6. Laravel is based on which design pattern?  
☒ MVC ☐ MVP ☐ MVVM ☐ None of these

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5. What is the purpose of the .env file?  
☒ To store the environment variables ☐ To store the database credentials ☐ To store the application configuration ☐ To store the variables

6. Laravel is based on which design pattern?  
☒ MVC ☐ MVP ☐ MVVM ☐ None of these

7. Command to create a controller in Laravel ?  
☒ php artisan make:controller Mycontroller ☐ php artisan create:controller ☐ php artisan makxe:controller ☐ None of these

8. Command to check the current version of the Laravel Framwork?  
☐ php artisan main --version ☐ php artisan --version status ☐ php artisan check --version ☒ php artisan --version

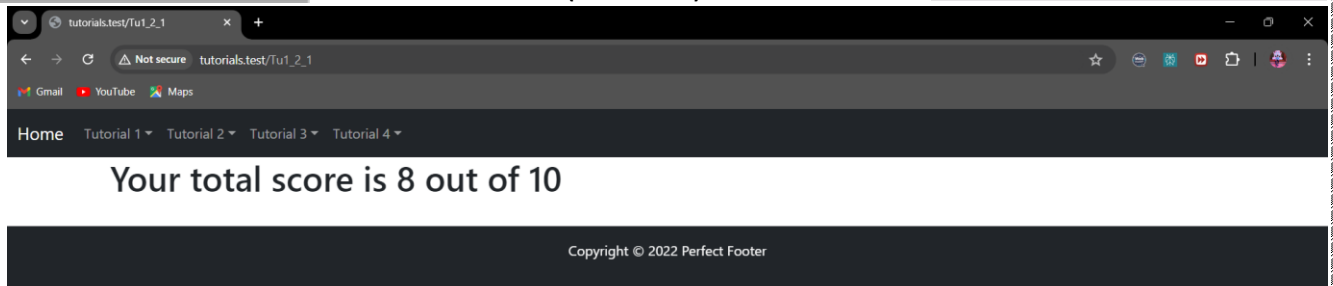
9. What are the ways to get the data from database in laravel?  
☐ Query Builder ☐ Eloquent ☒ A & B both ☐ None of these

10. Full form of ORM in laravel?  
☒ Object Relational Mapping ☐ Object Relational Master ☐ Object Relational Manager ☐ Object Relational Model

Submit

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**3) Write a LARAVEL program to compute the sum of the prime numbers less than 100.**

- **Tu1\_3.blade.php :-**

```
@extends('layout')
@section('content')
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Sum of prime numbers</title>
  <link rel="stylesheet" href="{{URL::to('bootstrap.min.css')}}">
  <link rel="stylesheet" href="{{URL::to('style.css')}}">
  <script src="{{URL::to('/bootstrap.bundle.min.js')}}"></script>
  <style>
    body {
      margin: 0;
      padding: 0;
      box-sizing: border-box;
      font-size: 20px;
      font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;
    }
  </style>
</head>
<body>
  <div class="container">
```

```
<?php
function isPrime($num) {
    if ($num <= 1) return false;
    if ($num <= 3) return true;

    if ($num % 2 == 0 || $num % 3 == 0) return false;
    for ($i = 5; $i * $i <= $num; $i += 6) {
        if ($num % $i == 0 || $num % ($i + 2) == 0) return false;
    }
    return true;
}
$sum = 0;
for ($i = 2; $i <= 100; $i++) {
    if (isPrime($i)) {
        $sum += $i;
    }
}
echo "<h1>The sum of prime numbers up to 100 is: $sum</h1>";
?>
</div><br><br>
</body>
</html>
@endsection
```

- **RegistrationController.php :-**

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class RegistrationController extends Controller
{
    public function Tu1_3()
    {
        return view('Tu1_3');
    }
}
```

- **web.php :-**

<?php

```
use Illuminate\Support\Facades\Route;  
use App\Http\Controllers\RegistrationController;
```

```
Route::get('/Tu1_3',[RegistrationController::class,'Tu1_3']);
```

- **Output :-**



**4) Write a LARAVEL program to calculate the mod of two given integers without using any inbuilt modulus operator.**

- **Tu1\_4.blade.php :-**

```
@extends('layout')  
@section('content')
```

```
<body>  
  <div class="container">  
    <form action="{{ URL::to('/') }}/Tu1_4_1" method="post">  
      @csrf  
      <label for="num1" class="form-label mt-3">Enter the first number:</label>  
      <input type="number" class="form-control border-success" value="{{ old('num1') }}"  
id="num1" name="num1" placeholder="Enter the first number">
```

```
<span class="text-danger">@error('num1'){{$message}} @enderror</span><br>
<label for="num2" class="form-label mt-3">Enter the second number:</label>
<input type="number" class="form-control border-success" value="{{ old('num2') }}"
id="num2" name="num2" placeholder="Enter the second number">
<span class="text-danger">@error('num2'){{$message}} @enderror</span><br>
<input type="submit" value="Submit" class="btn btn-secondary mt-3 form-control">
</form>
</div>
<br><br>
</body>
```

@endsection

- **Tu1\_4\_1.blade.php :-**

```
@extends('layout')

@section('content')

<body>

<div class="container">

<?php

$divides = (int)($mod['num1'] / $mod['num2']);

$mni = $mod['num1'] - $mod['num2'] * $divides;

echo '<h1>Your Mod is : '.$mni.'</h1>';

echo "<br>";

?>

</div>

</body>

@endsection
```

- **RegistrationController.php :-**

```
<?php

namespace App\Http\Controllers;
```

```
use Illuminate\Http\Request;
```

```
class RegistrationController extends Controller
{
    public function Tu1_4()
    {
        return view('Tu1_4');
    }
    public function Tu1_4_1(Request $mod)
    {
        $validate = $mod->validate([
            'num1' => 'required|numeric',
            'num2' => 'required|numeric',
        ]);
        $val = $mod->all();
        return view('Tu1_4_1', compact('mod'));
    }
}
```

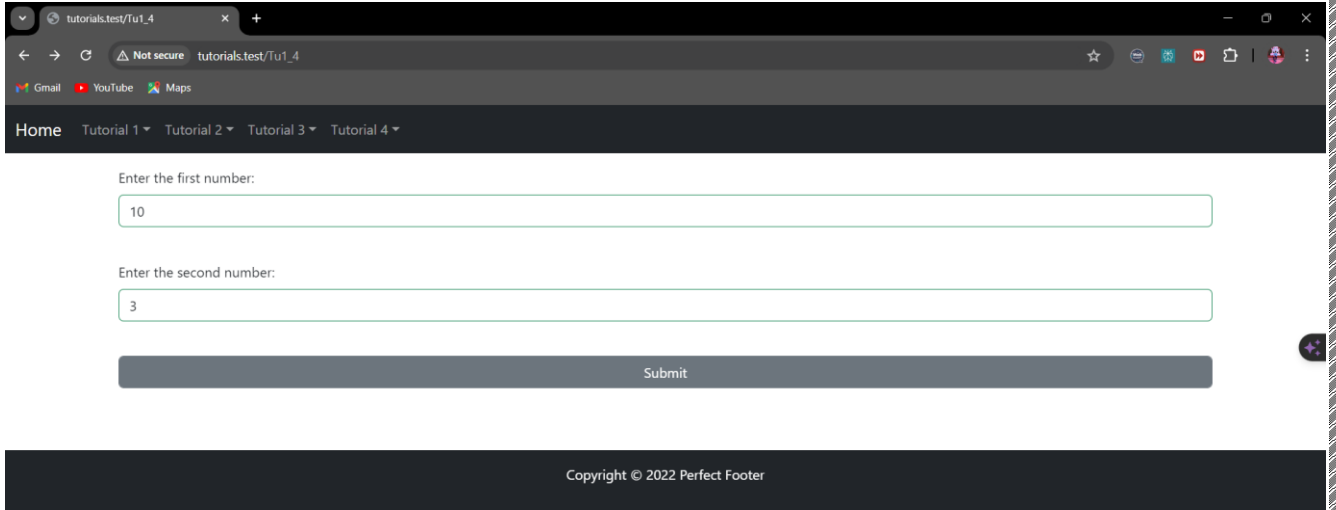
- **web.php :-**

```
<?php
```

```
use Illuminate\Support\Facades\Route;
use App\Http\Controllers\RegistrationController;
```

```
Route::get('/Tu1_4',[RegistrationController::class,'Tu1_4']);
Route::post('/Tu1_4_1',[RegistrationController::class,'Tu1_4_1']);
```

- **Output :-**



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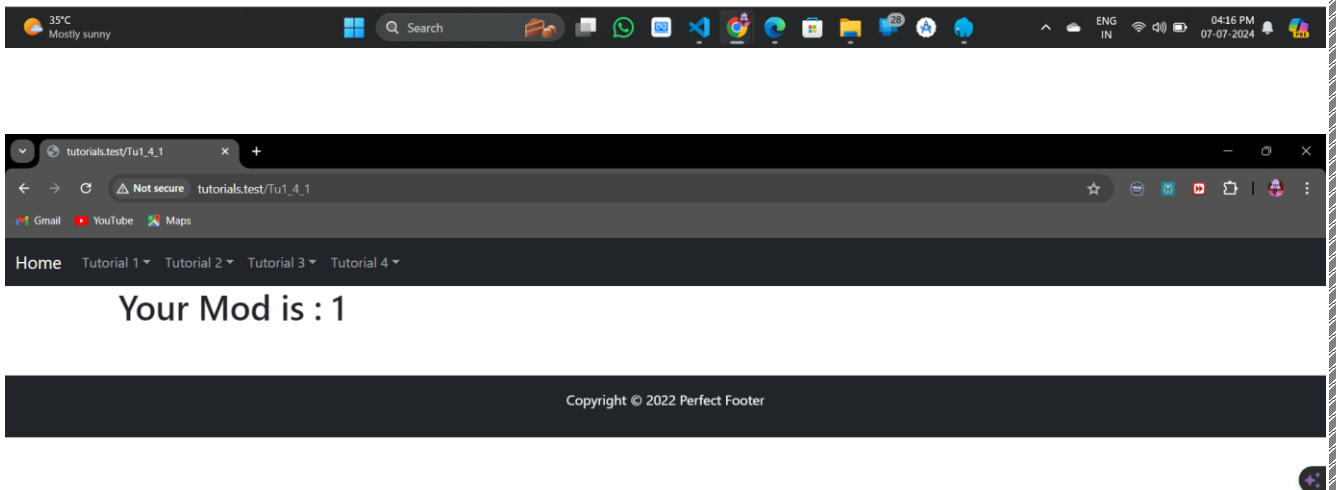
Home Tutorial 1 Tutorial 2 Tutorial 3 Tutorial 4

Enter the first number:

Enter the second number:

Submit

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tutorials.test/Tu1\_4.1

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**Your Mod is : 1**

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**5) Write a LARAVEL program to print out the multiplication table of numbers entered by the user.**

- **Tu1\_5.blade.php :-**  
@extends('layout')

```
@section('content')
<body>
  <div class="container">
    <form action="{{ URL::to('/') }}/Tu1_5_1" method="post">
      @csrf
      <h2>Form For a Multiplication Table</h2>
      <label for="no" class="form-label mt-3">Enter no for a Multiplication Table :</label>
      <input type="number" class="form-control border-success" id="num" name="num"
value="{{ old('num') }}">
      <span class="text-danger">@error('num'){{$message}} @enderror</span>
      <br>
      <input type="submit" name="sub" value="submit" class="btn btn-secondary mt-3
form-control">

    </div>
  </body>
@endsection
```

- **Tu1\_5\_1.blade.php :-**

```
@extends('layout')
@section('content')

<body>

<div class="container">
  <h1>Table of {{$mul['num']}} </h1>
  <h2>
    <?php
      $num = $mul['num'];
      for ($i = 1; $i <= 10; $i++) {
        echo $num . " X " . $i . " = " . $num * $i . "<br>";
      }
    ?></h2>
  </div>
</body>

@endsection
```

- **RegistrationController.php :-**

```
<?php
```

```
namespace App\Http\Controllers;
```

```
use Illuminate\Http\Request;
```

```
class RegistrationController extends Controller
```

```
{  
    public function Tu1_5()  
    {  
        return view('Tu1_5');  
    }  
    public function Tu1_5_1(Request $mul)  
    {  
        $validate = $mul->validate([  
            'num' => 'required|numeric',  
        ]);  
        $val = $mul->all();  
        return view('Tu1_5_1', compact('mul'));  
    }  
}
```

- **web.php :-**

```
<?php
```

```
use Illuminate\Support\Facades\Route;
```

```
use App\Http\Controllers\RegistrationController;
```

```
Route::get('/Tu1_5',[RegistrationController::class,'Tu1_5']);
```

```
Route::post('/Tu1_5_1',[RegistrationController::class,'Tu1_5_1']);
```

- **Output :-**

tutorials.test/Tu1\_5

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### Form For a Multiplication Table

Enter no for a Multiplication Table :

submit

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