

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>
    </form>
</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" for="radio3">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>
```



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```
<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')


## Registration Data Table



| Name                | Email                | Mobile No.        | Password                | Gender                  | Subjects                                                    | File Name |
|---------------------|----------------------|-------------------|-------------------------|-------------------------|-------------------------------------------------------------|-----------|
| {{ \$value->name }} | {{ \$value->email }} | {{ \$value->no }} | {{ \$value->password }} | {{ \$value->optradio }} | @php \$a = implode(",",\$value->subject); @endphp {{ \$a }} |           |


```



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```
<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
```



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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 :-**

Registration Form

Name: Daksh Bhuva

Email: bhuvadaksh78@gmail.com

Mobile No.: 9023721053

Password:

Select gender:

Male
 Female
 Others

Select Subjects :

WDUF
 SAD
 MAD

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

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Search

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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 : pixels-cmon...-1809644.jpg

Submit

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35°C Partly sunny

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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 :-**



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```
@extends('layout')
@section('content')
<body>
    <div class="container">
        <h1>MCQ'S Quize for 10 Questions.</h1>
        <form action="{{ URL::to('/') }}/Tu1_2_1" 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
```



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<input type="radio" class="ms-3" name="q4" value="php artisan list :all"> php artisan list :all

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

<input type="radio" class="ms-3" name="q5" value="To store the environment variables"> To store the environment variables

<input type="radio" class="ms-3" name="q5" value="To store the database credentials"> To store the database credentials

<input type="radio" class="ms-3" name="q5" value="To store the application configuration"> To store the application configuration

<input type="radio" class="ms-3" name="q5" value="To store the variables"> To store the variables

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

<input type="radio" class="ms-3" name="q6" value="MVC"> MVC

<input type="radio" class="ms-3" name="q6" value="MVP"> MVP

<input type="radio" class="ms-3" name="q6" value="MVVM"> MVVM

<input type="radio" class="ms-3" name="q6" value="None of these"> None of these

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

<input type="radio" class="ms-3" name="q7" value="php artisan make:controller Mycontroller"> php artisan make:controller Mycontroller

<input type="radio" class="ms-3" name="q7" value="php artisan create:controller"> php artisan create:controller

<input type="radio" class="ms-3" name="q7" value="php artisan make:controller"> php artisan makxe:controller

<input type="radio" class="ms-3" name="q7" value="None of these"> None of these

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

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

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



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```
<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 :-**



MCQ'S Quize 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



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 Framework?

- 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

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Your total score is 8 out of 10

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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');
    }
}

```

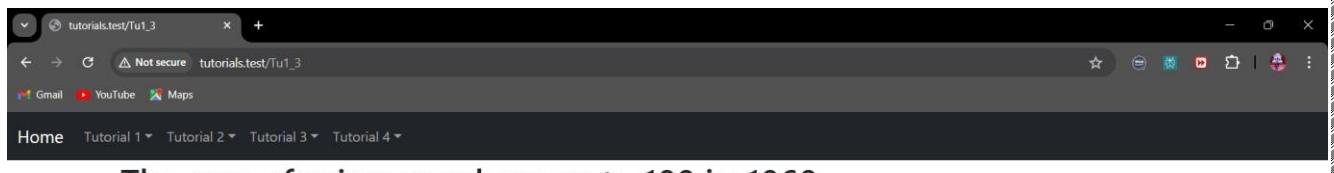
- **web.php :-**

```
<?php
```

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

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

- **Output :-**



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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">
```



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```
<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']);

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

echo '<h1>Your Mod is : '.$mn.'</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 :-**



Enter the first number:
10

Enter the second number:
3

Submit

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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 :-**



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Form For a Multiplication Table

Enter no for a Multiplication Table :

submit

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Table of 23

23 X 1 = 23
23 X 2 = 46
23 X 3 = 69
23 X 4 = 92
23 X 5 = 115
23 X 6 = 138
23 X 7 = 161
23 X 8 = 184
23 X 9 = 207
23 X 10 = 230

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