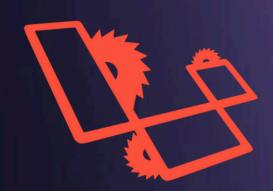# Laravel Blade

Laravel Blade

- Laravel Blade is a templating engine that comes built-in with the Laravel PHP framework. It allows developers to write clean and structured HTML templates with dynamic content and reusable components.

- Blade templates use a combination of plain HTML and special Blade syntax, such as double curly braces {{ }} for variable output and at signs @ for control structures like loops and conditionals.

- Blade templates can be extended to create a base template that can be reused across multiple pages with different content.

- Blade also provides several built-in directives that simplify common tasks like including subviews, injecting content into sections, and rendering JSON dat

PASS AND DISPLAYING DATA

- Display data that is passed to your Blade views by wrapping the variable in curly braces

- Blade's {{ }} echo statements are automatically sent through PHP's htmlspecialchars function to prevent XSS attacks.

Controller থেকে যদি view এর সাথে কোন variable , view এ পাস করতে চাই আর সেই variable যদি কোন key => value pair এর হয়ে থাকে তাহলে এই variable এ যেই key => value থাকবে ওই 'key' balde file এ variable হিসেবে ধরতে হবে।

```
Home.blade.php
8    <body>
9        <h1>Sum is={{ $sum }}</h1>
10   </body>
```

এখানে উদাহরণ এ

    return view('Home', ['sum' => $sum]);

    <h1> sum is ={{ $sum }} </h1>

```
DemoController.php
7    function DemoAction(Request $request)
8    {
9        $sum=$request->num1+$request->num2;
10       return view('Home', ['sum' => $sum]);
11   }
```

BLADE IF STATEMENT

You may construct if statements using the @if, @elseif, @else, and @endif directives.

```
Home.blade.php

8    <body>
9    @if ($sum === 1)
10       <h6>I have 1 record!</h6>
11   @elseif ($sum === 2)
12       <h6>I have 2 record!</h6>
13   @else
14       <h6>I have many record!</h6>
15   @endif
16   </body>
```

BLADE SWITCH CASE

Switch statements can be constructed using the @switch, @case, @break, @default and @endswitch directives

```php
8    <body>
9    @switch($sum)
10       @case(1)
11           <h3>First case...</h3>
12           @break
13       @case(2)
14           <h3>Second case...</h3>
15           @break
16       @default
17           Default case...
18   @endswitch
19   </body>
```

Home.blade.php

BLADE FOR LOOP

```php
8   <body>
9   @for ($i = 0; $i < 10; $i++)
10      The current value is {{ $i }}
11  @endfor
12  </body>
```

BLADE FOREACH LOOP

```php
DemoController.php

7       function DemoAction(Request $request)
8       {
9           $users=[
10              ["fname" => "Zoe", "lname" => "Upfield"],
11              ["fname" => "Bella", "lname" => "Cooke"],
12              ["fname" => "Liam", "lname" => "Ridley"]
13          ];
14          return view('Home', ['users' =>$users]);
15      }
```

```php
Home.blade.php

8    <body>
9    @foreach ($users as $user)
10       <p>This is user {{ $user['fname'] }}</p>
11   @endforeach
12   </body>
```

INCLUDING ASSET

```php
Home.blade.php

1   <!DOCTYPE html>
2   <html lang="en">
3       <head>
4           <meta charset="utf-8">
5           <meta name="viewport" content="width=device-width, initial-scale=1">
6           <title>Laravel</title>
7           <link href="{{asset('/css/bootstrap.min.css')}}" rel="stylesheet">
8       </head>
9   <body>
10  <img src="{{asset('/img.jpg')}}"/>
11  </body>
12  </html>
```

INCLUDING SUBVIEWS

Blade's @include directive allows you to include a Blade view from within another view.
All variables that are available to the parent view will be made available to the included view:

```
Home.blade.php

10  <div>
11      @include('shared.errors')
12
13      <form>
14          <!-- Form Contents -->
15      </form>
16  </div>
```

Subviews মানে components বা ওয়েব পেইজের পরিবর্তনশীল ছোট ছোট অংশ

MASTER LAYOUT CONCEPT

কতগুলি layout মিলে master layout তেরি হয়
আর layout মানে ওয়েব page এর কমন কিছু মিলে মিলে অংশ।
 যা master layout এ @include() আকারে থাকতে পারে।

আবার যেহেতু html কিছু কমন বিষয় (css,js etc) থাকে যা সব page এই
থাকে এইগুলি বার বার প্রয়োজন পরে তাই এইগুলি master layout এ
 রেখে যে page এ দরকার সেই page e @extend করে নেওয়া যায়।

```
          Home.blade.php

1    @extends('Layout')

2

3    @section('content')

4

5        @include('Component.HomeBanner')
6        @include('Component.HomeService')
7        @include('Component.HomeCourse')
8        @include('Component.HomeProjects')
9        @include('Component.HomeContact')
10       @include('Component.HomeReview')
11

12   @endsection
```

```
          Layout.blade.php

5    <body>
6        @include('component.menu')
7            @yield('content')
8        @include('component.footer')
9    </body>
```