

WORKING WITH SIMPLE REQUEST

● ● ● DemoController.php

```
7  class DemoController extends Controller
8  {
9      function DemoAction(): string
10     {
11         return "This is my first controller action";
12     }
13 }
```

● ● ● web.php

```
3  use App\Http\Controllers\DemoController;
4  use Illuminate\Support\Facades\Route;
5
6  Route::get('/DemoAction', [DemoController::class, 'DemoAction']);
```

REQUEST URL PARAMETER

● ● ● DemoController.php

```

9      function DemoAction(Request $request): string
10     {
11         $name=$request->name;
12         $age=$request->age;
13         return "Name is= ${name}, age is= ${age}";
14     }

```

● ● ● web.php

```

3  use App\Http\Controllers\DemoController;
4  use Illuminate\Support\Facades\Route;
5  Route::get('/DemoAction/{name}/{age}', [DemoController::class, 'DemoAction']);

```

REQUEST JSON BODY

● ● ● DemoController.php

```
7  class DemoController extends Controller
8  {
9      function DemoAction(Request $request): string
10     {
11         $name=$request->input('name');
12         $age=$request->input('age');
13         return "Name is= ${name}, age is= ${age}";
14     }
15 }
16
```

● ● ● web.php

```
1  <?php
2  use App\Http\Controllers\DemoController;
3  use Illuminate\Support\Facades\Route;
4  Route::post('/DemoAction', [DemoController::class, 'DemoAction']);
5
```

REQUEST HEADER

● ● ● DemoController.php

```
9      function DemoAction(Request $request): string
10     {
11         $name=$request->header('name');
12         $age=$request->header('age');
13         return "Name is= ${name}, age is= ${age}";
14     }
```

● ● ● web.php

```
1  <?php
2  use App\Http\Controllers\DemoController;
3  use Illuminate\Support\Facades\Route;
4  Route::post('/DemoAction', [DemoController::class, 'DemoAction']);
5
```


EXTRACT ALL REQUEST

HEADER BODY & QUERY PROPERTIRES

● ● ● DemoController.php

```
9      function DemoAction(Request $request): array
10     {
11         return $request->header();
12     }
```

● ● ● DemoController.php

```
10     function DemoAction(Request $request): array
11     {
12         return $request->query();
13     }
```

● ● ● DemoController.php

```
10     function DemoAction(Request $request): array
11     {
12         return $request->input();
13     }
```

REQUEST MULTIPART/FORM-DATA

●●● DemoController.php

```
10     function DemoAction(Request $request):array
11     {
12         $img=$request->file('image_file');
13         $filesize=filesize($img);
14         $filetype=filetype($img);
15         $OriginalName=$img->getClientOriginalName();
16         $TempFilename=$img->getFilename();
17         $extension=$img->extension();
18
19         return array(
20             'filesize'=>$filesize,
21             'filetype'=>$filetype,
22             'OriginalName'=>$OriginalName,
23             'TempFilename'=>$TempFilename,
24             'extension'=> $extension
25         );
26
27     }
```

UPLOAD REQUEST FILE MULTIPART/FORM-DATA

- Store File in Storage Folder

```
$img=$request->file('image_file');  
$img->storeAs('uploads', $img->getClientOriginalName());
```

- Store File in Public Folder

```
$img=$request->file('image_file');  
$img->move(public_path('uploads'), $img->getClientOriginalName());
```

REQUEST IP AND CONTENT NEGOTIATION

Content Negotiation

● ● ● DemoController.php

```
10     function DemoAction(Request $request): array
11     {
12         return $request->getAcceptableContentTypes();
13     }
```

● ● ● DemoController.php

```
10     function DemoAction(Request $request): int
11     {
12         if ($request->accepts(['application/json'])) {
13             return 1;
14         }
15         else{
16             return 0;
17         }
18     }
```

IP Address

● ● ● DemoController.php

```
10     function DemoAction(Request $request): string
11     {
12         return $request->ip();
13     }
```


REQUEST COOKIES

Retrieving Cookies From Requests

● ● ● DemoController.php

```
10     function DemoAction(Request $request): array|string|null
11     {
12         return $request->cookie();
13     }
```

● ● ● DemoController.php

```
10     function DemoAction(Request $request): array|string|null
11     {
12         return $request->cookie('Cookie_2');
13     }
```