# WORKING WITH SIMPLE REQUEST

```php
DemoController.php

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

```php
web.php

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

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# REQUEST URL PARAMETER

```php
// 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      }
```

```php
// 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

```php
// 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
```

```php
// 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

```php
// 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      }
```

```php
// 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 PROPERTIES



```php
DemoController.php

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

```php
DemoController.php

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

```php
DemoController.php

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

# REQUEST MULTIPART/FORM-DATA

```php
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

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◼ Store File in Storage Folder

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

◼ Store File in Public Folder

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

# REQUEST IP AND CONTENT NEGOTIATION

🟪 Content Negotiation

```php
DemoController.php

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

```php
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

```php
DemoController.php

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

# REQUEST COOKIES

◼ Retrieving Cookies From Requests

```php
DemoController.php

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

```php
DemoController.php

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