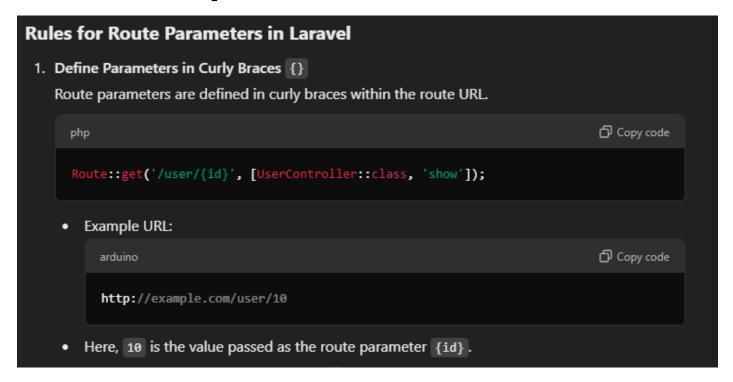
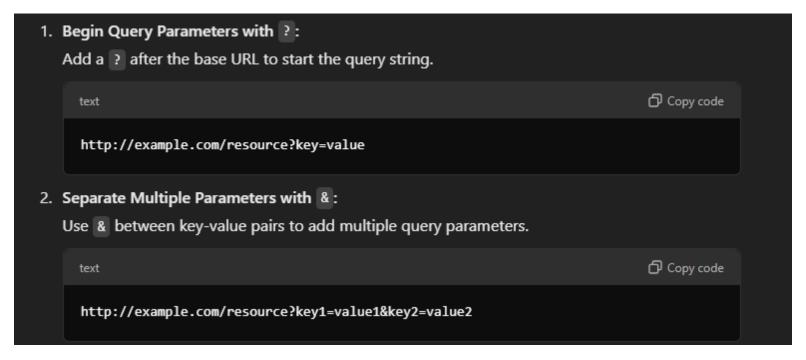
1. Route Parameter( যা route এর মধ্যে curly braces {} এর মধ্যে define করতে হয়) এবং Query Parameter (যা browser এ ? দিয়ে key=value & key=value পাঠাতে হয়)

## রুল : route parameter



# রুল : query parameter

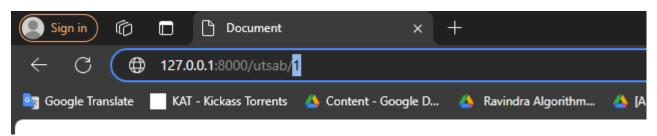


## **Using Both**

# URL Example arduino http://127.0.0.1:8000/utsab/10?name=John&age=25 • Route Parameters: /utsab/{id} (10 in the example). • Query Parameters: name=John&age=25 (everything after ?).

# 1. How to send dynamic data in url(Send data in route parameter)

(i)এখানে 1 pass হচ্ছে এটা আমরা route এ curly bracket {{ }} এ ডিফাইন করব এবং controller এ রিসিভ করব।



(ii) /utsab এতটুকু static কিন্তু /1 এটা dynamic /2 /3 যে কোন কিছু হতে পারে।

Variable এর জন্য {{ }} কিন্তু route এর জন্য {}

এখানে id না দিয়ে যে কোন variable use করা যাবে।

```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\SimpleController;
5
6 Route::get('/utsab/{id}',[SimpleController::class,'showMessage']);
7</pre>
```

(ii)Controller এ parameter দিব যাতে route থেকে pass করা parameter recive করতে পারে। এখানে variable name একই হতে হবে এটা কোন বাধ্যবাধকতা নাই তবে এক্ই রাখা ভাল route এর সাথে।

#### Step 2: Add the Method in the Controller

In your controller (e.g., PageController ), define the method to handle the route and accept the parameter:

```
php

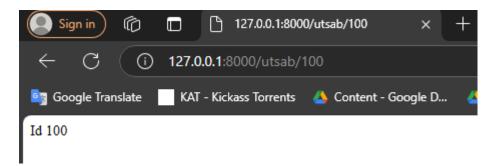
c?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class PageController extends Controller
{
    public function showUser($id)
    {
        return "User ID is: " . $id;
    }
}
```

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7 class SimpleController extends Controller
8 {
9    public function showMessage($id){
10      return "Id ".$id;
11    }
12 }
13</pre>
```



# 2. How to send data in dynamic url(Add Default Values for Parameters) (Send data in route parameter)

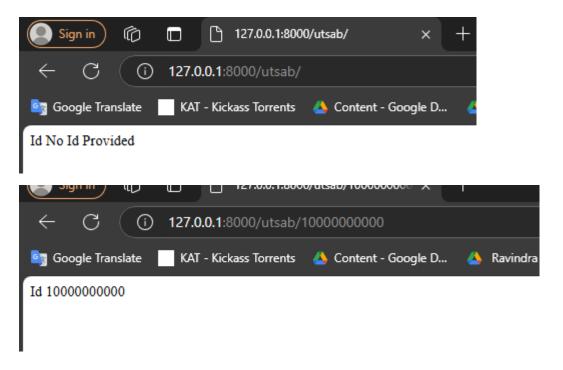
যদি কোন parameter pass না করে তাহলে ডিফল্ট ভ্যালু সেট করা যায়।

You can make parameters optional by adding? after the parameter name and providing a default value in the method:

(route এ ? দিতে হয় এবং controller এ ডিফল্ট ভ্যালু দিতে হয়।)

```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\SimpleController;
5
6 Route::get('/utsab/{id?}',[SimpleController::class,'showMessage']);
7</pre>
```

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7 class SimpleController extends Controller
8 {
9 public function showMessage($id='No Id Provided'){
10 return "Id ".$id;
11 }
12 }
13</pre>
```



# 3. How to send multiple data in url (Send data in route parameter)

(i) multiple parameter recive

```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\SimpleController;
5
6 Route::get('/utsab/{id}/babu/{email}',[SimpleController::class,'showMessage']);
7</pre>
```

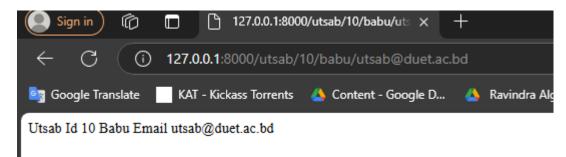
## (ii) recive data in controller

#### Step 2: Add the Method in the Controller

In your controller (e.g., PageController ), define the method to accept the parameters:

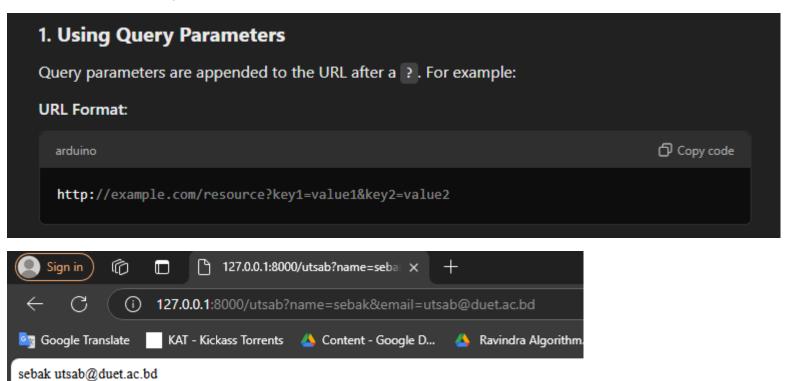
```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7 class SimpleController extends Controller
8 {
9    public function showMessage($id,$email){
10      return "Utsab Id ".$id ." Babu Email ".$email;
11    }
12 }
13</pre>
```





# 4. How to send data in url (Send data in query parameter)

(i)data pass করব ?key=value format এ



(ii)Route এ কিছু দিতে হবে না।

```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\SimpleController;
5
6 Route::get('/utsab',[SimpleController::class,'showMessage']);
7</pre>
```

(iii)Controller এ Request এ ডাটা রিসিভ করতে হয়। বিভিন্নভাবে ডাটা রিসিভ ও প্রদর্শন করা যায়।

### Way1:

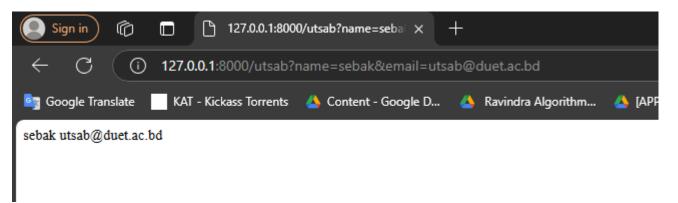
```
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class SimpleController extends Controller
8  {
9    public function showMessage(Request $request){
10
11         return $request->name." ".$request->email;
12    }
13  }
14
```

#### Way2:

Way3:

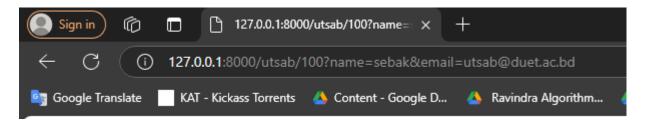
```
<?php
    namespace App\Http\Controllers;
    use Illuminate\Http\Request;
    class SimpleController extends Controller
        public function showMessage(){
            $name=request('name');
10
            $email=request('email');
11
            return $name." ".$email;
12
        }
13
14
    }
15
```

## **Output:**



# 5. How to send data in url (Send data in query parameter and route parameter)

(i) send data in url(route+query)

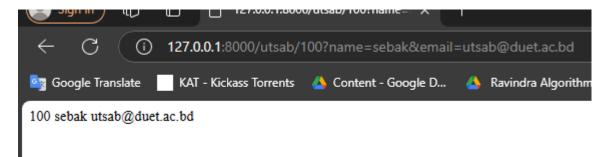


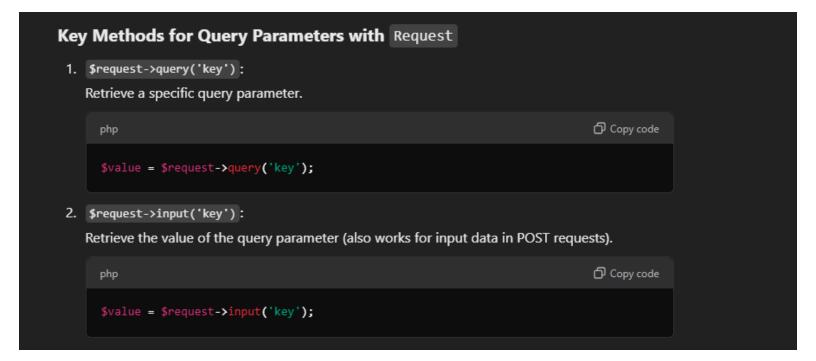
(ii) Define route parameter in route

```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\SimpleController;
5
6 Route::get('/utsab/{id}',[SimpleController::class,'showMessage']);
7</pre>
```

(iii)Recive query parameter in controller

## (iv) Output





3. Retrieve All Query Parameters:

Use the all() method to get all query parameters as an associative array.

```
php

$allParams = $request->query();
// Example output: ['name' => 'John', 'age' => 25]
```

4. Check for a Query Parameter:

Use the has() method to check if a specific query parameter exists.

```
php

if ($request->has('name')) {
    $name = $request->query('name');
}
```

5. Default Value if Parameter Missing:

Provide a default value if the parameter does not exist.