

# Kotitehtävä, Rajapinnat 1

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### GET-metodi:

The image shows two side-by-side screenshots. The left screenshot is from VS Code, displaying a JavaScript file named `users.js`. It contains Express.js route definitions for a REST API. The routes are as follows:

- `router.get('/', function(req, res, next) { res.send('respond with a resource'); });`
- `router.get('/esimerkki', function(request, response) { response.send('Olen esimerkki GET-metodista.');`
- `router.get('/esimerkki/:nimi', function(request, response) { response.send('Hei ' + request.params.nimi); console.log('Olen esimerkki GET-metodista yhdellä parametrilla.');`
- `router.get('/esimerkki/:enimi/:snimi', function(request, response) { response.send('Hei ' + request.params.enimi + ' ' + request.params.snimi); console.log('Olen esimerkki GET-metodista kahdella parametrilla.');`
- `router.post('/', function(request, response) { response.send(request.body.enimi + ' ' + request.body.snimi); console.log('Olen esimerkki Post-metodista.');`

The right screenshot is from Postman, showing a GET request to `localhost:3000/users/esimerkki`. The response body is `Olen esimerkki GET-metodista.`

### GET-metodi yhdellä parametrilla:

The image shows two side-by-side screenshots. The left screenshot is from VS Code, displaying the same `users.js` file. The routes are as follows:

- `router.get('/', function(req, res, next) { res.send('respond with a resource'); });`
- `router.get('/esimerkki', function(request, response) { response.send('Olen esimerkki GET-metodista.');`
- `router.get('/esimerkki/:nimi', function(request, response) { response.send('Hei ' + request.params.nimi); console.log('Olen esimerkki GET-metodista yhdellä parametrilla.');`
- `router.get('/esimerkki/:enimi/:snimi', function(request, response) { response.send('Hei ' + request.params.enimi + ' ' + request.params.snimi); console.log('Olen esimerkki GET-metodista kahdella parametrilla.');`
- `router.post('/', function(request, response) { response.send(request.body.enimi + ' ' + request.body.snimi); console.log('Olen esimerkki Post-metodista.');`

The right screenshot is from Postman, showing a GET request to `localhost:3000/users/esimerkki/Jaakko`. The response body is `Hei Jaakko`.

GET-metodi kahdella parametrilla:

The screenshot displays the development and testing of a GET endpoint. On the left, the Express.js application code is shown in a code editor. The code defines a route for `/esimerkki/:enimi/:snimi` that sends a response with the request parameters. The terminal output shows the successful execution of the application. On the right, the Postman interface is shown with a GET request to `localhost:3000/users/esimerkki/Jaakko/Lukkari`. The response body is `Hei Jaakko Lukkari`.

```
routes > JS users.js > ...
6 router.get('/', function(req, res, next) {
7   res.send('respond with a resource');
8 });
9
10 /* Tästä alkaa kotitehtävien osuus */
11
12 router.get('/esimerkki', function(request,response){
13   response.send('Olen esimerkki GET-metodista.');
```

localhost:3000/users/esimerkki/Jaakko/Lukkari

GET localhost:3000/users/esimerkki/Jaakko/Lukkari

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION
Value	Description	

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize HTML

1 Hei Jaakko Lukkari

200 OK 7 ms 246 B Save Response

POST-metodi:

The screenshot displays the development and testing of a POST endpoint. On the left, the Express.js application code is shown in a code editor. The code defines a route for `/esimerkki/:enimi/:snimi` that sends a response with the request parameters. The terminal output shows the successful execution of the application. On the right, the Postman interface is shown with a POST request to `localhost:3000/users/enimi=Jaakko&snimi=Lukkari`. The response body is `undefined undefined`.

```
routes > JS users.js > ...
10 /* Tästä alkaa kotitehtävien osuus */
11
12 router.get('/esimerkki', function(request,response){
13   response.send('Olen esimerkki GET-metodista.');
```

localhost:3000/users/enimi=Jaakko&snimi=Lukkari

POST localhost:3000/users/enimi=Jaakko&snimi=Lukkari

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION
enimi	Jaakko	
snimi	Lukkari	
Key	Value	Description

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize HTML

1 undefined undefined

200 OK 7 ms 247 B Save Response