

# Tietokannat K2023 tehtävä 16 Postman-metodit –

## Leevi Ekdahl

Laitan tähän näkyville varmuuden vuoksi molempiin tauluihin Postmanilla tehdyt CRUD-operaatiot, kun jäi epäselväksi, tarvitseeko yhden esimerkin molemmista tauluista vai yleisesti.

Yritin tehdä alla olevan dokumentoinnin kuitenkin niin, että se on nopea selata läpi.

## Post-metodi

### Book-taulu:

The screenshot shows a Postman interface for a POST request to `localhost:3000/book/`. The request is configured with the following parameters:

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> id_book	NULL	
<input checked="" type="checkbox"/> name	The C Programming Language	
<input checked="" type="checkbox"/> author	Denis Ritchie	
<input checked="" type="checkbox"/> isbn	123-456-443-xxx	
Key	Value	Description

The response is shown in the 'Body' tab, displaying a JSON object:

```
1 {
2   "id_book": "NULL",
3   "name": "The C Programming Language",
4   "author": "Denis Ritchie",
5   "isbn": "123-456-443-xxx"
6 }
```

The status bar indicates a successful response: 200 OK, 21 ms, 341 B.

Eli lisätään tauluun book kirjan nimi, kirjailija ja isbn-numero post-metodilla.

### Borrower-taulu:

POST

▼

localhost:3000/borrower/

Params

Authorization

Headers (8)

Body ●

Pre-request Scrip

● none

● form-data

● x-www-form-urlencoded

● raw

● binar

	KEY	VALUE
<input checked="" type="checkbox"/>	id_borrower	NULL
<input checked="" type="checkbox"/>	fname	Ville
<input checked="" type="checkbox"/>	lname	Vallaton
<input checked="" type="checkbox"/>	streetAddress	Vaahteramäentie 2
<input type="checkbox"/>	fname	
	Key	Value

Body

Cookies

Headers (7)

Test Results

Pretty

Raw

Preview

Visualize

JSON ▼

≡

```

1  {
2    "id_borrower": "NULL",
3    "fname": "Ville",
4    "lname": "Vallaton",
5    "streetAddress": "Vaahteramäentie 2"
6  }

```

Lisätään borrower-tauluun lainaaja Ville Vallaton.

## Get-metodi

**Book-taulu:**

localhost:3000/book/

GET localhost:3000/book/

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

	KEY	VALUE
<input checked="" type="checkbox"/>	id_book	NULL
<input checked="" type="checkbox"/>	name	The C Programming Language
<input checked="" type="checkbox"/>	author	Denis Ritchie
<input checked="" type="checkbox"/>	isbn	123-456-443-xxx
	Key	Value

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize JSON

```

6      "isbn": "123-456-789-111-x"
7    },
8    {
9      "id_book": 2,
10     "name": "Statistics",
11     "author": "Lisa Smith",
12     "isbn": "222-333-444-555-y"
13   },
14   {
15     "id_book": 4,
16     "name": "The C Programming Language",
17     "author": "Denis Ritchie",

```

Tulostetaan book-aulusta kaikkien kirjojen tiedot get-metodilla.

**Borrower-taulu:**

GET

▼

localhost:3000/borrower/

Params

Authorization

Headers (8)

Body ●

Pre-request Script


Tests

Settings

Query Params

KEY	VALUE
Key	Value

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize JSON 

```
2  {
3      "id_borrower": 1,
4      "fname": "leevi",
5      "lname": "ekdahl",
6      "streetAddress": "Mäkitie 1"
7  },
8  {
9      "id_borrower": 2,
10     "fname": "Ville",
11     "lname": "Vallaton",
12     "streetAddress": "Vaahteramäentie 2"
13 }
```

Tulostetaan kaikkien lainaajien tiedot borrower-taulusta.

## Put-metodi

**Book-taulu:**

PUT

localhost:3000/book/4

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

	KEY	VALUE	DESCR
<input checked="" type="checkbox"/>	id_book	NULL	
<input checked="" type="checkbox"/>	name	The C Programming Language	
<input checked="" type="checkbox"/>	author	Denis Ritchie	
<input checked="" type="checkbox"/>	isbn	123-456-443-xyz	
<input type="checkbox"/>	fname		
	Key	Value	Descri

Body

Cookies

Headers (7)

Test Results

200

Pretty

Raw

Preview

Visualize

JSON

```

1  {
2    "fieldCount": 0,
3    "affectedRows": 1,
4    "insertId": 0,
5    "serverStatus": 2,
6    "warningCount": 0,
7    "message": "(Rows matched: 1 Changed: 0 Warnings: 0)",
8    "protocol41": true,
9    "changedRows": 0
10 }

```

Put-metodi book-tauluun, isbn numeron xxx:n tilalle päivitettiin xyz.

**Borrower-taulu:**

PUT

localhost:3000/borrower/2

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

	KEY	VALUE
<input checked="" type="checkbox"/>	id_borrower	NULL
<input checked="" type="checkbox"/>	fname	Ville
<input checked="" type="checkbox"/>	lname	Vallaton
<input checked="" type="checkbox"/>	streetAddress	Rantaraitti 3
<input type="checkbox"/>	fname	
	Key	Value

Body

Cookies

Headers (7)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```


1  {
2    "fieldCount": 0,
3    "affectedRows": 1,
4    "insertId": 0,
5    "serverStatus": 2,
6    "warningCount": 0,
7    "message": "(Rows matched: 1  Changed: 1  Warnings: 0)",
8    "protocol41": true,
9    "changedRows": 1
10 }
```


Päivitetään Put-metodilla Villen osoite borrower-taulussa.







## Delete-metodi

**Book-taulu:**

localhost:3000/book/4



**DELETE**  localhost:3000/book/4

Params Authorization Headers (8) **Body**  Pre-request Script Tests

 none  form-data  x-www-form-urlencoded  raw  binary  Graph

	KEY	VALUE
<input checked="" type="checkbox"/>	id_book	NULL
<input checked="" type="checkbox"/>	name	The C Programming Language
<input checked="" type="checkbox"/>	author	Denis Ritchie
<input checked="" type="checkbox"/>	isbn	123-456-443-xyz
<input type="checkbox"/>	fname	
	Key	Value

Body Cookies Headers (7) Test Results

Pretty Raw Preview Visualize JSON  

```
1 {
2   "fieldCount": 0,
3   "affectedRows": 1,
4   "insertId": 0,
5   "serverStatus": 2,
6   "warningCount": 0,
7   "message": "",
8   "protocol41": true,
9   "changedRows": 0
10 }
```

Delete-metodi book-tauluun eli poistettiin kuvassa näkyvä rivi taulusta book.

**Borrower-taulu:**

DELETE

localhost:3000/borrower/1

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Query Params

KEY	VALUE
Key	Value

Body

Cookies

Headers (7)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```
1  {
2    "fieldCount": 0,
3    "affectedRows": 1,
4    "insertId": 0,
5    "serverStatus": 2,
6    "warningCount": 0,
7    "message": "",
8    "protocol41": true,
9    "changedRows": 0
10 }
```

Poistetaan Leevin tiedot borrower-taulusta Delete-komennolla.