

Luodaan tietokantaan taulut book ja borrower:

```
CREATE TABLE book(  
id_book INT primary key auto_increment,  
name VARCHAR(255),  
author VARCHAR(255),  
isbn VARCHAR(20)  
);
```

```
INSERT INTO book(name,author,isbn) VALUES('PHP Basic','Bob Jones','123-456-789-111-x');
```

```
INSERT INTO book(name,author,isbn) VALUES('Statistics','Lisa Smith','222-333-444-555-y');
```

```
CREATE TABLE borrower(  
fname VARCHAR(45),  
lname VARCHAR(45),  
streetaddress VARCHAR(45),  
id_borrower INT primary key auto_increment  
);
```

```
mysql> describe book;  
+-----+-----+-----+-----+-----+-----+  
| Field | Type          | Null | Key | Default | Extra          |  
+-----+-----+-----+-----+-----+-----+  
| id_book | int          | NO   | PRI | NULL    | auto_increment |  
| name   | varchar(255) | YES  |     | NULL    |                |  
| author | varchar(255) | YES  |     | NULL    |                |  
| isbn   | varchar(20)  | YES  |     | NULL    |                |  
+-----+-----+-----+-----+-----+-----+  
4 rows in set (0.00 sec)  
  
mysql> describe borrower;  
+-----+-----+-----+-----+-----+-----+  
| Field          | Type          | Null | Key | Default | Extra          |  
+-----+-----+-----+-----+-----+-----+  
| fname          | varchar(45)   | YES  |     | NULL    |                |  
| lname          | varchar(45)   | YES  |     | NULL    |                |  
| streetaddress  | varchar(45)   | YES  |     | NULL    |                |  
| id_borrower    | int           | NO   | PRI | NULL    | auto_increment |  
+-----+-----+-----+-----+-----+-----+  
4 rows in set (0.00 sec)
```

Testataan Postmanilla CRUD-operaatiot:

Get:

HTTPlocalhost:3000/book

Save

No Environment

GET

localhost:3000/book

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Code

Cookies

Query Params

	Key	Value
	Key	Value

Body

Cookies

Headers (7)

Test Results

Status: 200 OK

Time: 9 ms

Size: 401 B

Pretty

Raw

Preview

JSON

1

[

2

{

3

"id_book": 1,

4

"name": "PHP Basic",

5

"author": "Bob Jones",

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

]

Post:

localhost:3000/book

POST localhost:3000/book

Params Authorization Headers (9) Body Pre-request Script Tests Settings

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

Key	Value
name	Tuntematon Sotilas
author	Väinö Linna
isbn	987-654-321-123-z

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 73 ms Size: 343 B

```
{  "fieldCount": 0,  "affectedRows": 1,  "insertId": 3,  "info": "",  "serverStatus": 2,  "warningStatus": 0,  "changedRows": 0}
```

localhost:3000/book

JSON Raw Data Headers

Save Copy Collapse All Expand All Filter JSON

```
0:  {  id_book: 1  name: "PHP Basic"  author: "Bob Jones"  isbn: "123-456-789-111-x"  }  1:  {  id_book: 2  name: "Statistics"  author: "Lisa Smith"  isbn: "222-333-444-555-y"  }  2:  {  id_book: 3  name: "Tuntematon Sotilas"  author: "Väinö Linna"  isbn: "987-654-321-123-z"  }
```

Put:

PUT localhost:3000/book/3 Send

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings Code Cookies

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

	Key	Value
<input checked="" type="checkbox"/>	name	1984
<input checked="" type="checkbox"/>	author	George Orwell
<input checked="" type="checkbox"/>	isbn	987-654-321-444-z
	Key	Value

Body Cookies Headers (7) Test Results Status: 200 OK Time: 20 ms Size: 383 B ...

Pretty Raw Preview JSON ⌵

```
1 {
2   "fieldCount": 0,
3   "affectedRows": 1,
4   "insertId": 0,
5   "info": "Rows matched: 1 Changed: 1 Warnings: 0",
6   "serverStatus": 2,
7   "warningStatus": 0,
8   "changedRows": 1
9 }
```

← → ↺ 🛡️ 📄 localhost:3000/book 🔍 ☆ 📄 📄 📄 ☰

JSON Raw Data Headers

Save Copy Collapse All Expand All Filter JSON

```
▼ 0:
  id_book: 1
  name: "PHP Basic"
  author: "Bob Jones"
  isbn: "123-456-789-111-x"
▼ 1:
  id_book: 2
  name: "Statistics"
  author: "Lisa Smith"
  isbn: "222-333-444-555-y"
▼ 2:
  id_book: 3
  name: "1984"
  author: "George Orwell"
  isbn: "987-654-321-444-z"
```

Delete:

localhost:3000/book/3

DELETE localhost:3000/book/3

Send

Params Authorization Headers (9) Body ● Pre-request Script Tests Settings Code Cookies

Query Params

Key	Value
Key	Value

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 17 ms Size: 343 B

Pretty Raw Preview JSON

```
1 {
2   "fieldCount": 0,
3   "affectedRows": 1,
4   "insertId": 0,
5   "info": "",
6   "serverStatus": 2,
7   "warningStatus": 0,
8   "changedRows": 0
9 }
```

localhost:3000/book

JSON Raw Data Headers

Save Copy Collapse All Expand All Filter JSON

```
▼ 0:
  id_book: 1
  name: "PHP Basic"
  author: "Bob Jones"
  isbn: "123-456-789-111-x"
▼ 1:
  id_book: 2
  name: "Statistics"
  author: "Lisa Smith"
  isbn: "222-333-444-555-y"
```