

Taulut:

```
mysql> desc 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 (0.01 sec)

```
mysql> desc borrower;
```

Field	Type	Null	Key	Default	Extra
id_borrower	int	NO	PRI	NULL	auto_increment
fname	varchar(40)	YES		NULL	
lname	varchar(40)	YES		NULL	
streetAddress	varchar(50)	YES		NULL	

4 rows in set (0.01 sec)

```
mysql> select * from book;
```

id_book	name	author	isbn
1	PHP Basic	Bob Jones	123-456-789-111-x
2	Statistics	Lisa Smith	222-333-444-555-y
3	The C++ Programming Language	Bjarne Stroustup	222-777-666-333

3 rows in set (0.00 sec)

```
mysql> select * from borrower;
```

id_borrower	fname	lname	streetAddress
1	Teemu	Pukki	Korvatunturi
2	Julius	Ceasar	Forum
3	Iines	Ankka	Ankkallinna 234
4	Paul	Atreides	Arrakis

4 rows in set (0.01 sec)

GET:

GET

▼

http://localhost:3000/borrower/

ParamsAuthorizationHeaders (7)BodyScriptsSettings

Query Params

	Key
--	-----

BodyCookiesHeaders (7)Test Results

PrettyRawPreviewJSON ▼

```
1  [
2    {
3      "id_borrower": 1,
4      "fname": "Teemu",
5      "lname": "Pukki",
6      "streetAddress": "Korvatunturi"
7    },
8    {
9      "id_borrower": 2,
10     "fname": "Julius",
11     "lname": "Ceasar",
12     "streetAddress": "Forum"
13   },
14   {
15     "id_borrower": 3,
16     "fname": "Iines",
17     "lname": "Ankka",
18     "streetAddress": "Ankkallinna 234"
19   },
20   {
21     "id_borrower": 5,
22     "fname": "Paul",
23     "lname": "Atreides",
24     "streetAddress": null
25   }
26 ]
```

DELETE:

DELETE

http://localhost:3000/borrower/5

Params

Authorization

Headers (9)

Body •

Scripts

Settings

☐ none

☐ form-data

☒ x-www-form-urlencoded

☐ raw

☐ binary

☐ GraphQL

	Key
<input checked="" type="checkbox"/>	fname
<input checked="" type="checkbox"/>	lname
<input checked="" type="checkbox"/>	streetaddress
	Key

Body

Cookies

Headers (7)

Test Results

Pretty

Raw

Preview

JSON ▾

1 [{"id_borrower":5,"fname":"Paul","lname":"Atreides","streetAddress":

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

POSTMAN CONSOLE

PS C:\Users\Snutt\OneDrive\Asiakirjat\tietokannat_K2025\Viikko7\book_borrower>
GET /borrower/5?fname=&lname=&streetaddress= 200 1.475 ms - 2
DELETE /borrower/5 200 23.172 ms - 107
GET /borrower/5 200 1.446 ms - 2
[
 {
 id_borrower: 1,
 fname: 'Teemu',
 lname: 'Pukki',
 streetAddress: 'Korvatunturi'
 },
 {
 id_borrower: 2,
 fname: 'Julius',
 lname: 'Ceasar',
 streetAddress: 'Forum'
 },
 {
 id_borrower: 3,
 fname: 'Iines',
 lname: 'Ankka',
 streetAddress: 'Ankkallinna 234'
 }
]
GET /borrower/ 200 2.031 ms - 241
[]

POST:

POST

http://localhost:3000/borrower/

Params

Authorization

Headers (9)

Body •

Scripts

Settings

☐ none

☐ form-data

☒ x-www-form-urlencoded

☐ raw

☐ binary

☐ GraphQL

	Key	Value
<input checked="" type="checkbox"/>	fname	Freyd
<input checked="" type="checkbox"/>	lname	Rautha
<input checked="" type="checkbox"/>	streetaddress	Giedi Prime
	Key	Value

Body

Cookies

Headers (7)

Test Results

Pretty

Raw

Preview

JSON ▾

⌵

1

```
[{"fieldCount":0,"affectedRows":1,"insertId":6,"info":"","serverStatus":2,"warni
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

POSTMAN CONSOLE

```
PS C:\Users\Snutt\OneDrive\Asiakirjat\tietokannat_K2025\Viikko7\book_borrower> nodemon start
GET /borrower/5?fname=&lname=&streetaddress= 200 1.475 ms - 2
DELETE /borrower/5 200 23.172 ms - 107
GET /borrower/5 200 1.446 ms - 2
[
  {
    id_borrower: 1,
    fname: 'Teemu',
    lname: 'Pukki',
    streetAddress: 'Korvatunturi'
  },
  {
    id_borrower: 2,
    fname: 'Julius',
    lname: 'Ceasar',
    streetAddress: 'Forum'
  },
  {
    id_borrower: 3,
    fname: 'Iines',
    lname: 'Ankka',
    streetAddress: 'Ankkallinna 234'
  }
]
GET /borrower/ 200 2.031 ms - 241
POST /borrower/ 200 12.176 ms - 107
[]
```

PUT:

PUT

http://localhost:3000/borrower/6

Params

Authorization

Headers (9)

Body •

Scripts

Settings

☐ none

☐ form-data

☒ x-www-form-urlencoded

☐ raw

☐ binary

	Key
<input checked="" type="checkbox"/>	fname
<input checked="" type="checkbox"/>	lname
<input checked="" type="checkbox"/>	streetaddress
	Key

Body

Cookies

Headers (7)

Test Results

Pretty

Raw

Preview

JSON ▾

🔗

1 [{"fieldCount":0,"affectedRows":1,"insertId":6,"info

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

POSTMAN

PS C:\Users\Snutt\OneDrive\Asiakirjat\tietokannat_K2025\Viikko7
lname: 'Ankka',
streetAddress: 'Ankkallinna 234'
},
{
id_borrower: 6,
fname: 'Freyd',
lname: 'Rautha',
streetAddress: null
}
]
GET /borrower/ 200 2.233 ms - 313
PUT /borrower/6 200 10.760 ms - 147
[
{
id_borrower: 1,
fname: 'Teemu',
lname: 'Pukki',
streetAddress: 'Korvatunturi'
},
{
id_borrower: 2,
fname: 'Julius',
lname: 'Ceasar',
streetAddress: 'Forum'
},
{
id_borrower: 3,
fname: 'Iines',
lname: 'Ankka',
streetAddress: 'Ankkallinna 234'
},
{
id_borrower: 6,
fname: 'Vladimir',
lname: 'Harkonnen',
streetAddress: null
}
]