

## IOhjelmointi Kotitehtävä 17.

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Kaikki kirjat jota book-taulussa on:

The screenshot shows a REST client interface with the following details:

- Books / POST\_Books**
- Method:** GET (dropdown)
- URL:** http://localhost:3000/book
- Buttons:** Save, Send
- Tabs:** Params, Authorization, Headers (9), **Body**, Pre-request Script, Tests, Settings, Cookies
- Body Type:** x-www-form-urlencoded (selected), none, form-data, raw, binary, GraphQL
- Body Content:**

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> id_user	NULL	
<input checked="" type="checkbox"/> username	testi	
<input checked="" type="checkbox"/> password	testi123	
- Response:** 200 OK, 8 ms, 1.27 KB, Save Response
- Response Body (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  {
15    "id_book": 3,
16    "name": null,
17    "author": null,
18    "isbn": null
19  },
20  {
21    "id_book": 4,
22    "name": "Sinuhe Egyptiläinen",
23    "author": "Mika Waltari",
24    "isbn": "123-222-222"
25  }
26 }
```

Kirja nro.3 oli jäänyt tiedoiltaan tyhjäksi joten lisäsin siihen tiedot:

Books / POST\_Books

Save

...

PUT

http://localhost:3000/book/3

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

<input checked="" type="checkbox"/>	id_book	NULL	
<input checked="" type="checkbox"/>	name	Testi	
<input checked="" type="checkbox"/>	author	Antti Lassila	
<input checked="" type="checkbox"/>	isbn	123-123-123	

Body

Cookies

Headers (21)

Test Results

200 OK

10 ms

1.3 KB

Save Response

Pretty

Raw

Preview

Visualize

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   {
15     "id_book": 3,
16     "name": "Testi",
17     "author": "Antti Lassila",
18     "isbn": "123-123-123"
19   },
20   {
21     "id_book": 4,
22     "name": "Sinuhe Egyptilainen",
23     "author": "Mika Waltari",
24     "isbn": "123-222-222"
25   }
26 }
```

Capture requests and cookies

Bootcamp

Runner

Trash

Lisäsin itseni borrower-tauluun:

Books / POST\_Books

Save

POST http://localhost:3000/borrower Send

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

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

<input checked="" type="checkbox"/>	fname	Antti	
<input checked="" type="checkbox"/>	lname	Lassila	
<input checked="" type="checkbox"/>	streetAddress	Kotiosoite 123	X
	Key	Value	Description

Body Cookies Headers (21) Test Results 200 OK 10 ms 1.3 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   {
3     "id_borrower": 4,
4     "fname": "Hessu",
5     "lname": "Hopo",
6     "streetAddress": "Paratiisitie 131"
7   },
8   {
9     "id_borrower": 5,
10    "fname": "Aku",
11    "lname": "Ankka",
12    "streetAddress": "Paratiisitie 13"
13  },
14  {
15    "id_borrower": 6,
16    "fname": "Mikki",
17    "lname": "Hiiri",
18    "streetAddress": "Paratiisitie 14"
19  },
20  {
21    "id_borrower": 7,
22    "fname": "Antti",
23    "lname": "Lassila ",
24    "streetAddress": "Kotiosoite 123"
25  }
```

Poistin testi-käyttäjän user-taulusta:

DELETE

http://localhost:3000/user/

Send

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

Cookies

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

<input checked="" type="checkbox"/>	fname	Antti	
<input checked="" type="checkbox"/>	lname	Lassila	
<input checked="" type="checkbox"/>	streetAddress	Kotiosoite 123	
	Key	Value	Description

Body Cookies Headers (21) Test Results

200 OK 9 ms 1.18 KB Save Response

Pretty

Raw

Preview

Visualize

JSON

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```
1 [
2   {
3     "id_user": 1,
4     "username": "root",
5     "password": "$2a$10$F.uNgDII47N83jKnirQwGaerKJN7tpdT15k9.M9WGsy/0m/WsgTrCi"
6   },
7   {
8     "id_user": 2,
9     "username": "testi",
10    "password": "$2a$10$yGI/1iem7nL8TDiq2MEJ20DQKodM4ouEFNRDjp.Yivm8Hn6DFmem2"
11  }
12 ]
```

DELETE

http://localhost:3000/user/2

Send

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

Cookies

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

<input checked="" type="checkbox"/>	fname	Antti	
<input checked="" type="checkbox"/>	lname	Lassila	
<input checked="" type="checkbox"/>	streetAddress	Kotiosoite 123	
	Key	Value	Description

Body Cookies Headers (21) Test Results

200 OK 22 ms 1.1 KB Save Response

Pretty

Raw

Preview

Visualize

JSON

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```
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 }
```

GET http://localhost:3000/user/ Send

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

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

<input checked="" type="checkbox"/>	fname	Antti	
<input checked="" type="checkbox"/>	lname	Lassila	
<input checked="" type="checkbox"/>	streetAddress	Kotiosoite 123	
	Key	Value	Description

Body Cookies Headers (21) Test Results 200 OK 9 ms 1.08 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "id_user": 1,
4     "username": "root",
5     "password": "$2a$10$F.uNgDII47N83jKnrqWGaerKJN7tpdTl5k9.M9WGsy/Om/WsgTrCi"
6   }
7 ]
```

Autentikointi on tehty samalla tavalla kuin luennolla näytettiin:

Books / POST\_Books Save

GET http://localhost:3000/book Send

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

Type Basic A...  
The authorization header will be automatically generated when you send the request.  
[Learn more about authorization](#)

collaborative environment, we recommend using variables. [Learn more about variables](#)

Username admin

Password 1234asdfghafdhre

☒ Show Password

Body Cookies Headers (7) Test Results 401 Unauthorized 5 ms 236 B Save Response

Pretty Raw Preview Visualize HTML

1

Books / POST\_Books

Save

GEThttp://localhost:3000/bookSend

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettingsCookies

Type

Basic A...

The authorization header will be automatically generated when you send the request.  
[Learn more about authorization](#)

Usernameadmin

Password1234

☒ Show Password

collaborative environment, we recommend using variables. [Learn more about variables](#)

BodyCookiesHeaders (21)Test Results200 OK8 ms1.3 KBSave Response

PrettyRawPreviewVisualizeJSON

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{

" id\_book": 1,

" name": "PHP Basic",

" author": "Bob Jones",

" isbn": "123-456-789-111-x"

}

,

{

" id\_book": 2,

" name": "Statistics",

" author": "Lisa Smith",

" isbn": "222-333-444-555-y"

}

,

{

" id\_book": 3,

" name": "Testi",

" author": "Antti Lassila",

" isbn": "123-123-123"

}

,

{

" id\_book": 4,

" name": "Sinuhe Egyptilainen",

" author": "Mika Waltari",

" isbn": "123-222-222"

}

}