

## Tehtävä 21

Käytän aiemmin luoto tietokanta nimellä why.

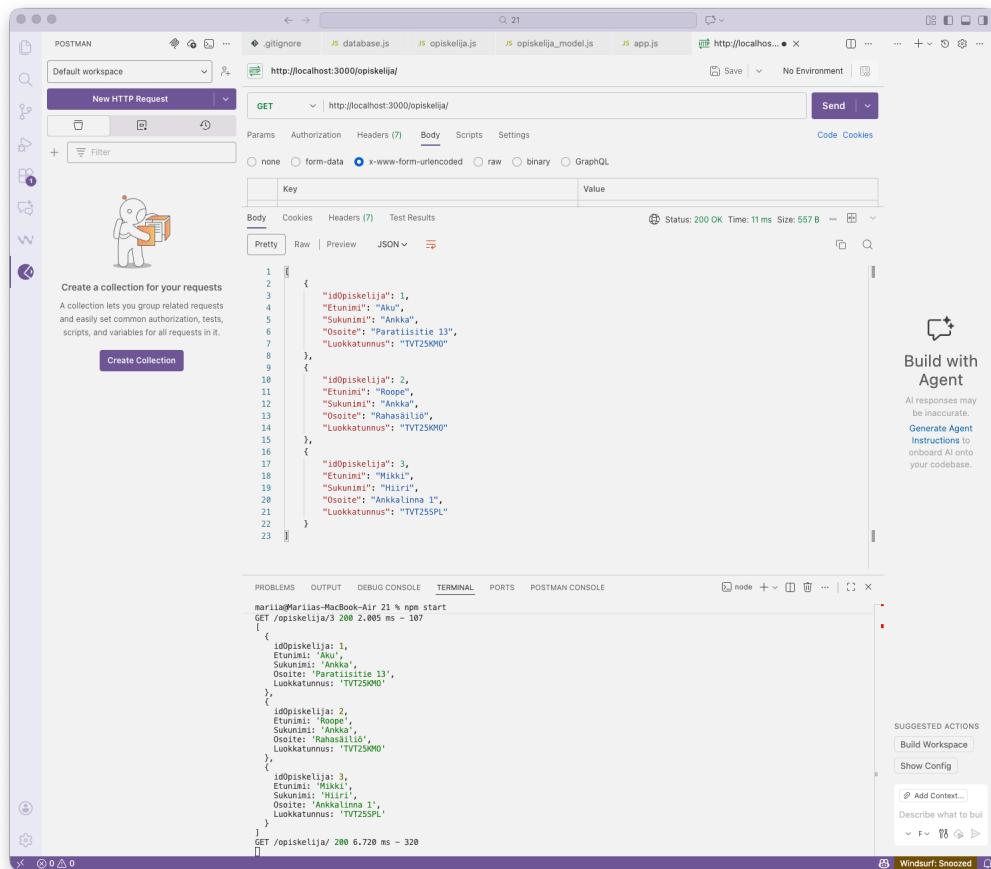
```
[MariaDB [why]]> show tables;
+-----+
| Tables_in_why |
+-----+
| Arvointi      |
| Opintojakso   |
| Opiskelija    |
+-----+
3 rows in set (0.000 sec)
```

```
[MariaDB [why]]> describe opiskelija;
+-----+-----+-----+-----+-----+-----+
| Field      | Type       | Null | Key | Default | Extra        |
+-----+-----+-----+-----+-----+-----+
| idOpiskelija | int(11)    | NO   | PRI | NULL    | auto_increment |
| Etunimi     | varchar(45) | YES  |     | NULL    |               |
| Sukunimi    | varchar(45) | YES  |     | NULL    |               |
| Osoite      | varchar(45) | YES  |     | NULL    |               |
| Luokkatunnus | varchar(45) | YES  |     | NULL    |               |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.030 sec)
```

```
[MariaDB [why]]> describe opintojakso
[    -> ;
+-----+-----+-----+-----+-----+-----+
| Field      | Type       | Null | Key | Default | Extra        |
+-----+-----+-----+-----+-----+-----+
| idOpintojakso | int(11)    | NO   | PRI | NULL    | auto_increment |
| Nimi        | varchar(45) | YES  |     | NULL    |               |
| Laajuus     | int(11)    | YES  |     | NULL    |               |
| Tunnus      | varchar(45) | YES  |     | NULL    |               |
| Kuvaus      | varchar(45) | YES  |     | NULL    |               |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.035 sec)
```

```
[MariaDB [why]]> describe arvointi;
+-----+-----+-----+-----+-----+-----+
| Field      | Type       | Null | Key | Default | Extra        |
+-----+-----+-----+-----+-----+-----+
| idArvointi | int(11)    | NO   | PRI | NULL    | auto_increment |
| idOpiskelija | int(11)    | NO   | MUL | NULL    |               |
| idOpintojakso | int(11)    | NO   | MUL | NULL    |               |
| Päivämäärä | date       | YES  |     | NULL    |               |
| Arvosana   | int(11)    | YES  |     | NULL    |               |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.033 sec)
```

# GET - saadaan opiskelijan taulun sisältö

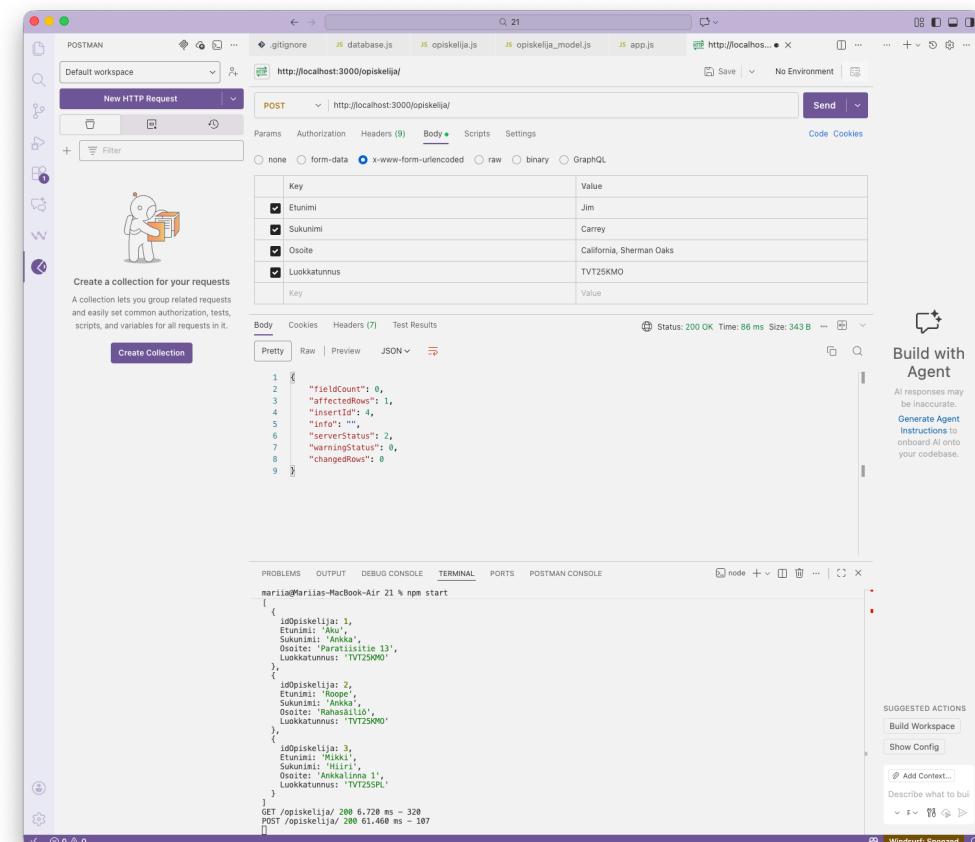


The screenshot shows the Postman application interface. A GET request is made to `http://localhost:3000/opiskelija/`. The response status is 200 OK, time 11 ms, size 557 B. The response body is a JSON array containing three student objects:

```
[{"idOpiskelija": 1, "Etunimi": "Aku", "Sukunimi": "Ankkar", "Osoite": "Paratiisitie 13", "Luokatunnus": "TVT25KMO"}, {"idOpiskelija": 2, "Etunimi": "Rope", "Sukunimi": "Ankkar", "Osoite": "Rahasallio", "Luokatunnus": "TVT25KMO"}, {"idOpiskelija": 3, "Etunimi": "Mikki", "Sukunimi": "Hirri", "Osoite": "Ankkalinnan 1", "Luokatunnus": "TVT25PL"}
```

The terminal pane shows the command `GET /opiskelija/` was run and completed successfully in 107ms.

# POST - lisätään uusi opiskelija



The screenshot shows the Postman application interface. A POST request is made to `http://localhost:3000/opiskelija/`. The request body contains the following data:

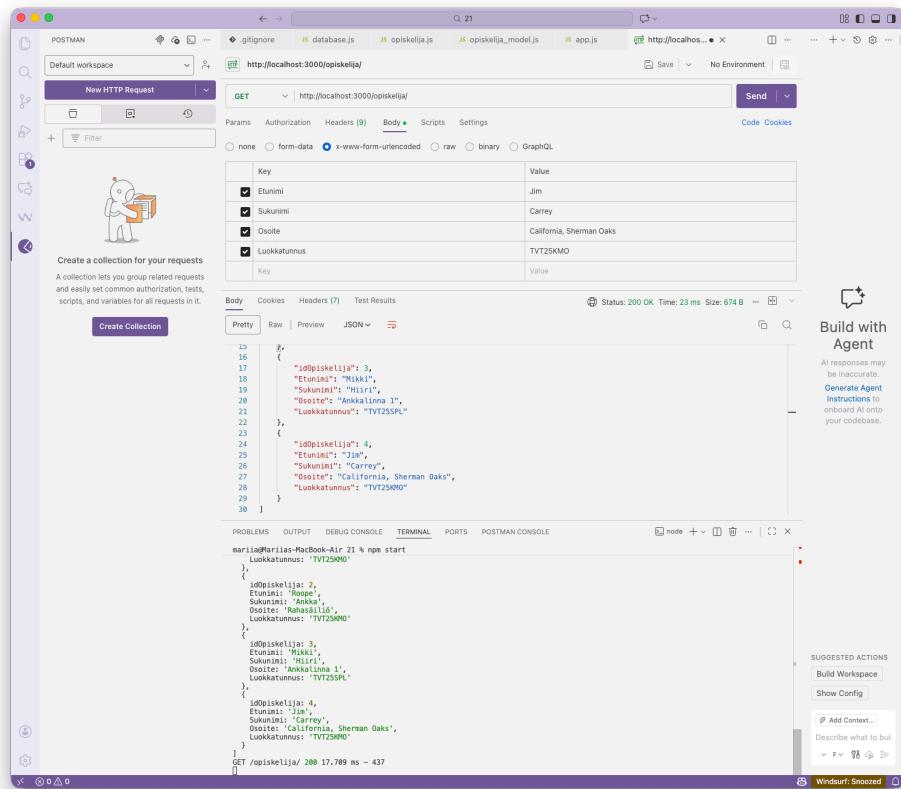
Key	Value
Etunimi	Jim
Sukunimi	Carrey
Osoite	California, Sherman Oaks
Luokatunnus	TVT25KMO

The response status is 200 OK, time 86 ms, size 343 B. The response body is a JSON object:

```
{"fieldCount": 0, "affectedRows": 1, "insertId": 4, "info": "", "serverStatus": 2, "warningStatus": 0, "changedRows": 0}
```

The terminal pane shows the command `POST /opiskelija/` was run and completed successfully in 107ms.

## GET - tarkistetaan taulun opiskelijan sisältö



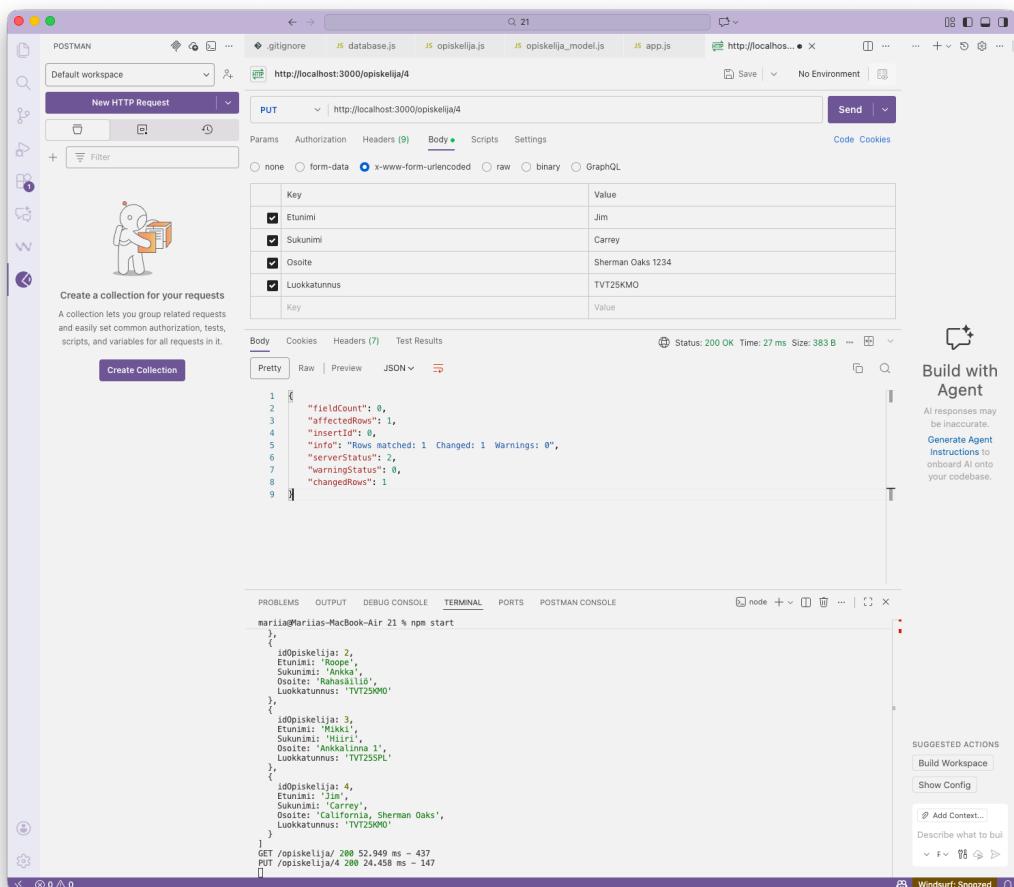
The screenshot shows the Postman interface with a GET request to `http://localhost:3000/opiskelija`. The request body is set to `x-www-form-urlencoded` with the following parameters:

Key	Value
Etunimi	Jim
Sukunimi	Carrey
Osoite	California, Sherman Oaks
Luokkatumus	TVT25KMO

The response status is 200 OK, and the response body is a JSON array of student records:

```
15: { "idOpiskelija": 3, "Etunimi": "Mika", "Sukunimi": "Hirri", "Osoite": "Ankkalina 1", "Luokkatumus": "TVT25SPL" }, 16: { "idOpiskelija": 4, "Etunimi": "Jim", "Sukunimi": "Carrey", "Osoite": "California, Sherman Oaks", "Luokkatumus": "TVT25KMO" }, 17: { "idOpiskelija": 2, "Etunimi": "Roope", "Sukunimi": "Rahasalo", "Osoite": "Rahasalintie", "Luokkatumus": "TVT25KMO" }, 18: { "idOpiskelija": 3, "Etunimi": "Mika", "Sukunimi": "Hirri", "Osoite": "Ankkalina 1", "Luokkatumus": "TVT25SPL" }, 19: { "idOpiskelija": 4, "Etunimi": "Jim", "Sukunimi": "Carrey", "Osoite": "California, Sherman Oaks", "Luokkatumus": "TVT25KMO" }, 20: { "idOpiskelija": 1, "Etunimi": "Roope", "Sukunimi": "Rahasalo", "Osoite": "Rahasalintie", "Luokkatumus": "TVT25KMO" } ]
```

## PUT - muokataan neljännen opiskelijan osoite



The screenshot shows the Postman interface with a PUT request to `http://localhost:3000/opiskelija/4`. The request body is set to `x-www-form-urlencoded` with the following parameters:

Key	Value
Etunimi	Jim
Sukunimi	Carrey
Osoite	Sherman Oaks 1234
Luokkatumus	TVT25KMO

The response status is 200 OK, and the response body is a JSON object indicating the update result:

```
1: { "fieldCount": 0, "affectedRows": 1, "insertId": 0, "info": "Rows matched: 1 Changed: 1 Warnings: 0", "serverStatus": 2, "warningStatus": 0, "changedRows": 1 }
```

The terminal shows the command `npm start` running in the background.

## GET - tarkistetaan, onko osoite muuttunut.

POSTMAN

Default workspace

http://localhost:3000/opiskelija/4

GET

Key	Value
Etunimi	Jim
Sukunimi	Carrey
Osoite	Sherman Oaks 1234
Luokatunnus	TVT25KMO

Body

```
{
  "idOpiskelija": 4,
  "Etunimi": "Jim",
  "Sukunimi": "Carrey",
  "Osoite": "Sherman Oaks 1234",
  "Luokatunnus": "TVT25KMO"
}
```

Status: 200 OK Time: 8 ms Size: 347 B

Create Collection

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POSTMAN CONSOLE

node + -

SUGGESTED ACTIONS Build Workspace Show Config

Windsurf: Snoozed

## DELETE - poistetaan neljännen opiskelijan taulusta.

POSTMAN

Default workspace

http://localhost:3000/opiskelija/4

DELETE

Key	Value
Etunimi	Jim
Sukunimi	Carrey
Osoite	Sherman Oaks 1234
Luokatunnus	TVT25KMO

Body

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

Status: 200 OK Time: 12 ms Size: 343 B

Create Collection

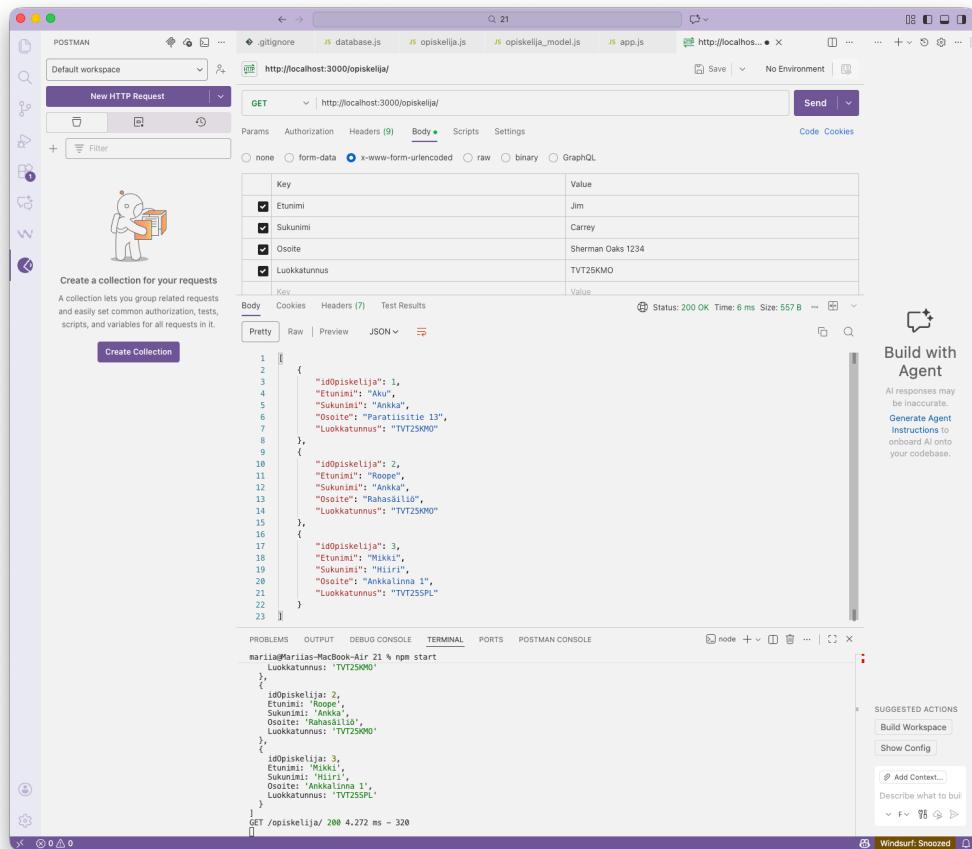
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POSTMAN CONSOLE

node + -

SUGGESTED ACTIONS Build Workspace Show Config

Windsurf: Snoozed

# GET - saadaan opiskelijan taulun sisältö



```
1 [
2   {
3     "idOpiskelija": 1,
4     "Etunimi": "Jim",
5     "Sukunimi": "Carrey",
6     "Osoite": "Ankkala",
7     "Luokatunnus": "TTV25KMO"
8   },
9   {
10     "idOpiskelija": 2,
11     "Etunimi": "Roope",
12     "Sukunimi": "Ankkala",
13     "Osoite": "Rahasalio",
14     "Luokatunnus": "TTV25KMO"
15   },
16   {
17     "idOpiskelija": 3,
18     "Etunimi": "Mikki",
19     "Sukunimi": "Hirri",
20     "Osoite": "Ankkalina 1",
21     "Luokatunnus": "TTV25SPL"
22   }
23 ]
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POSTMAN CONSOLE node + x 🗑️ ...

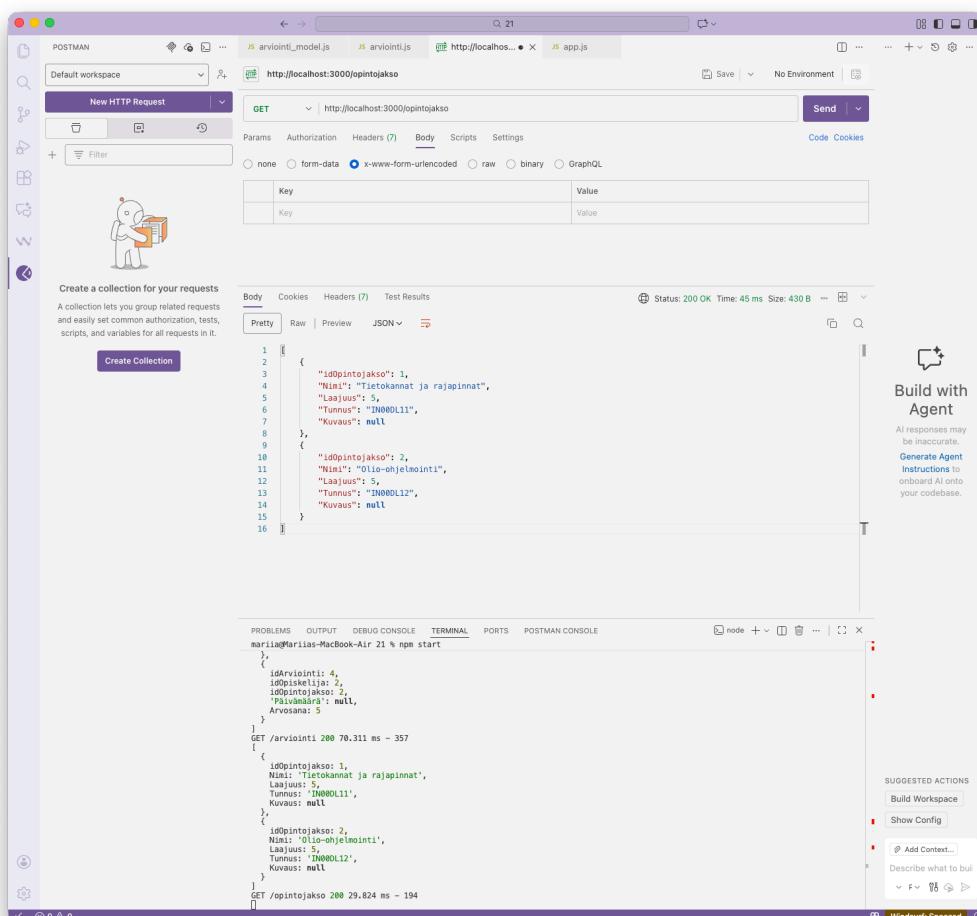
```
marilia@Marlias-MacBook-Air:21 % npm start
Luokatunnus: 'TTV25KMO'
}
idOpiskelija: 2,
Etunimi: 'Roope',
Sukunimi: 'Ankkala',
Osoite: 'Rahasalio',
Luokatunnus: 'TTV25KMO'
}
idOpiskelija: 3,
Etunimi: 'Mikki',
Sukunimi: 'Hirri',
Osoite: 'Ankkalina 1',
Luokatunnus: 'TTV25SPL'
}
GET /opiskelija/ 200 4.272 ms - 320
```

SUGGESTED ACTIONS Build Workspace Show Config

Add Context... Describe what to build

Windsurf: Snoozed

# GET - saadaan opintojakson sisältö



```
1 [
2   {
3     "idOpintojakso": 1,
4     "Nimi": "Tietokannat ja rajapinnat",
5     "Lajitus": 5,
6     "Tunnus": "INNO0111",
7     "Kuvaus": null
8   },
9   {
10     "idOpintojakso": 2,
11     "Nimi": "Olio-ohjelmointi",
12     "Lajitus": 5,
13     "Tunnus": "INNO0112",
14     "Kuvaus": null
15   }
16 ]
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POSTMAN CONSOLE node + x 🗑️ ...

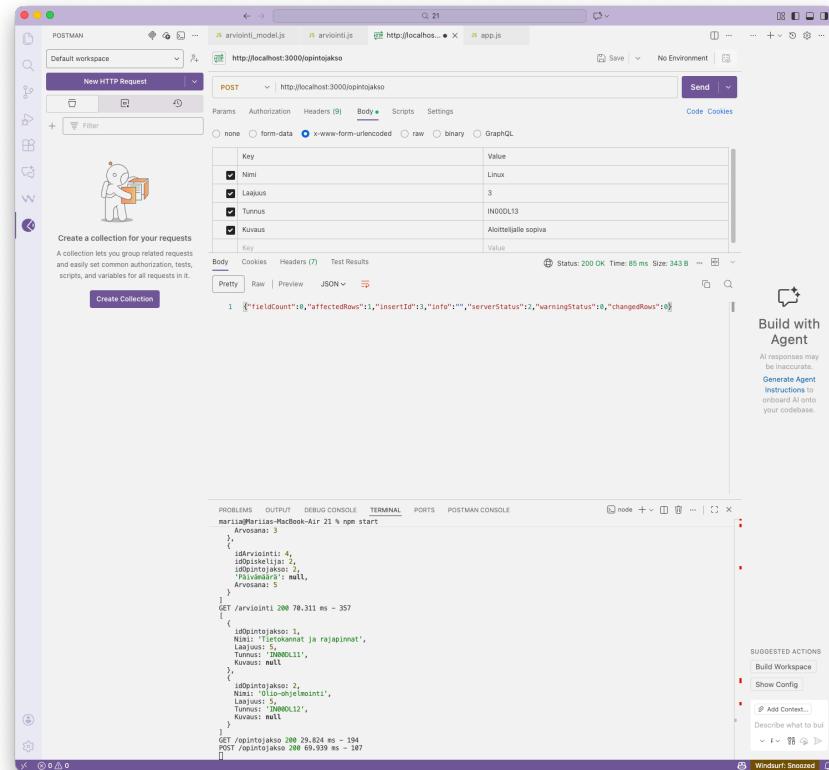
```
marilia@Marlias-MacBook-Air:21 % npm start
}
idArvointi: 4,
idOpiskelija: 2,
Etunimi: 'Roope',
Sukunimi: 'Ankkala',
Päivämäärä: null,
Arvosana: 5
}
GET /arvointi 200 70.311 ms - 357
{
  idOpintojakso: 1,
  Nimi: 'Tietokannat ja rajapinnat',
  Lajitus: 5,
  Tunnus: 'INNO0111',
  Kuvaus: null
},
{
  idOpintojakso: 2,
  Nimi: 'Olio-ohjelmointi',
  Lajitus: 5,
  Tunnus: 'INNO0112',
  Kuvaus: null
}
GET /opintojakso 200 29.824 ms - 194
```

SUGGESTED ACTIONS Build Workspace Show Config

Add Context... Describe what to build

Windsurf: Snoozed

# POST - lisätään uusi kurssi

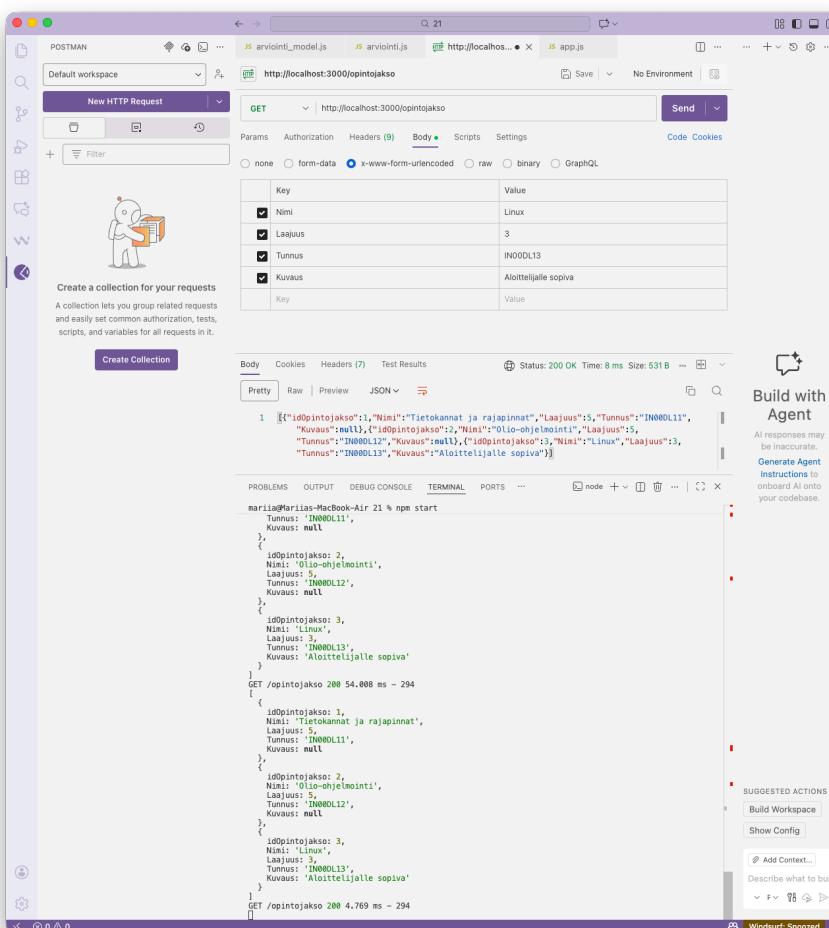


The screenshot shows the POSTMAN interface with a successful POST request to `http://localhost:3000/opintojakso`. The request body is set to `x-www-form-urlencoded` and contains the following data:

Key	Value
Nimi	Linux
Laajitus	3
Tunnus	IN000L13
Kuvaus	Aloitteille sopiva

The response status is `200 OK`, time `85 ms`, size `343 B`. The terminal output shows the Node.js application processing the request and inserting the new course into the database.

# GET - tarkistus

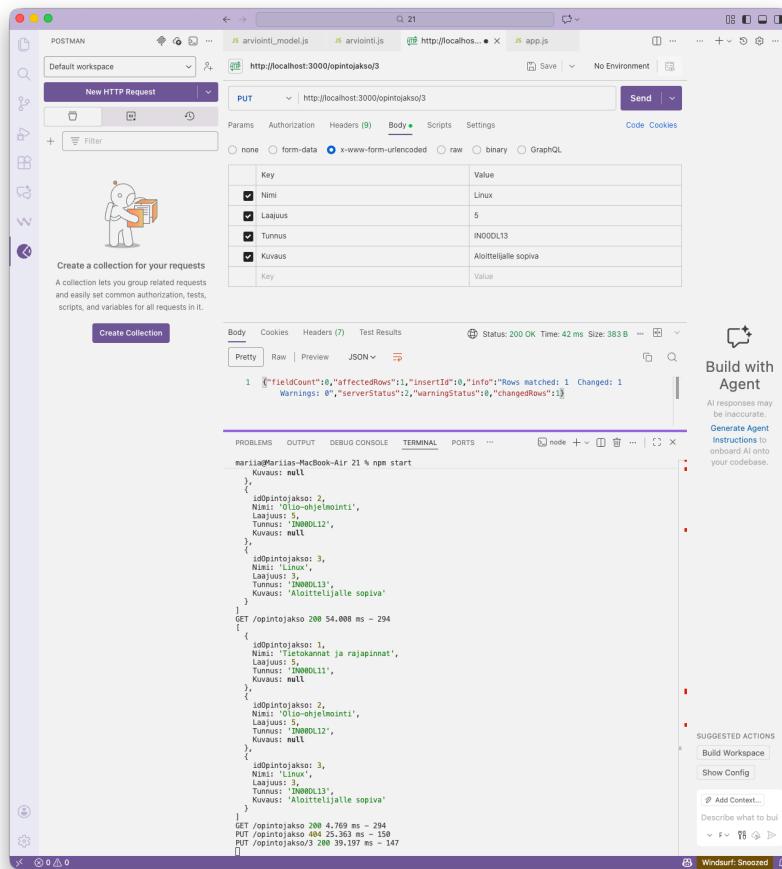


The screenshot shows the POSTMAN interface with a successful GET request to `http://localhost:3000/opintojakso`. The request body is set to `x-www-form-urlencoded` and contains the following data:

Key	Value
Nimi	Linux
Laajitus	3
Tunnus	IN000L13
Kuvaus	Aloitteille sopiva

The response status is `200 OK`, time `8 ms`, size `531 B`. The terminal output shows the Node.js application processing the request and returning the list of courses from the database.

# PUT - muokataan laajuus



POSTMAN Default workspace http://localhost:3000/opintojakso/3 PUT http://localhost:3000/opintojakso/3 Send Params Authorization Headers (9) Body Scripts Settings

Key	Value
Nimi	Linux
Laajuus	5
Tunnus	INNOOL13
Kuvaus	Aloittelijalle sopiva

Create a collection for your requests  
A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Body Cookies Headers (7) Test Results Status: 200 OK Time: 42 ms Size: 383 B

```
1 {"fieldCount":0,"affectedRows":1,"insertId":0,"info":"Rows matched: 1  Changed: 1  Warnings: 0  serverStatus":2,"warningStatus":0,"changedRows":1}
```

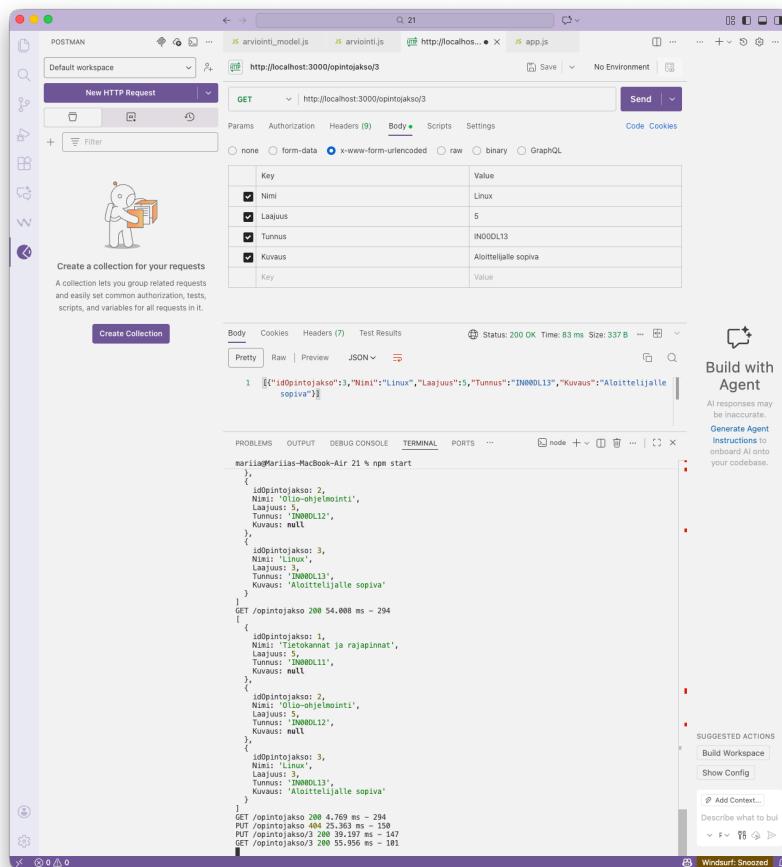
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS node + ...

```
mariamari@MacBook-Air:21% npm start
maria@Marias-MacBook-Air:21% npm start
{
  idOpintojakso: 2,
  Nimi: "Olio-ohjelmointi",
  Laajuus: 5,
  Tunnus: "INNOOL12",
  Kuvaus: null
}
{
  idOpintojakso: 3,
  Nimi: "Linux",
  Laajuus: 5,
  Tunnus: "INNOOL13",
  Kuvaus: "Aloittelijalle sopiva"
}
{
  idOpintojakso: 1,
  Nimi: "Tietokamat ja rajapinnat",
  Laajuus: 5,
  Tunnus: "INNOOL11",
  Kuvaus: null
}
{
  idOpintojakso: 2,
  Nimi: "Olio-ohjelmointi",
  Laajuus: 5,
  Tunnus: "INNOOL12",
  Kuvaus: null
}
{
  idOpintojakso: 3,
  Nimi: "Linux",
  Laajuus: 5,
  Tunnus: "INNOOL13",
  Kuvaus: "Aloittelijalle sopiva"
}
GET /opintojakso 200 54.008 ms - 294
PUT /opintojakso 404 25.363 ms - 150
PUT /opintojakso/3 200 39.197 ms - 147
[1]
```

Build with Agent  
AI responses may be inaccurate.  
Generate Agent Instructions to onboard AI onto your codebase.

SUGGESTED ACTIONS Build Workspace Show Config Add Context... Describe what to build

# GET - tarkistus



POSTMAN Default workspace http://localhost:3000/opintojakso/3 GET http://localhost:3000/opintojakso/3 Send Params Authorization Headers (9) Body Scripts Settings

Key	Value
Nimi	Linux
Laajuus	5
Tunnus	INNOOL13
Kuvaus	Aloittelijalle sopiva

Create a collection for your requests  
A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Body Cookies Headers (7) Test Results Status: 200 OK Time: 83 ms Size: 337 B

```
1 [{"idOpintojakso":3,"Nimi":"Linux","Laajuus":5,"Tunnus":"INNOOL13","Kuvaus":"Aloittelijalle sopiva"}]
```

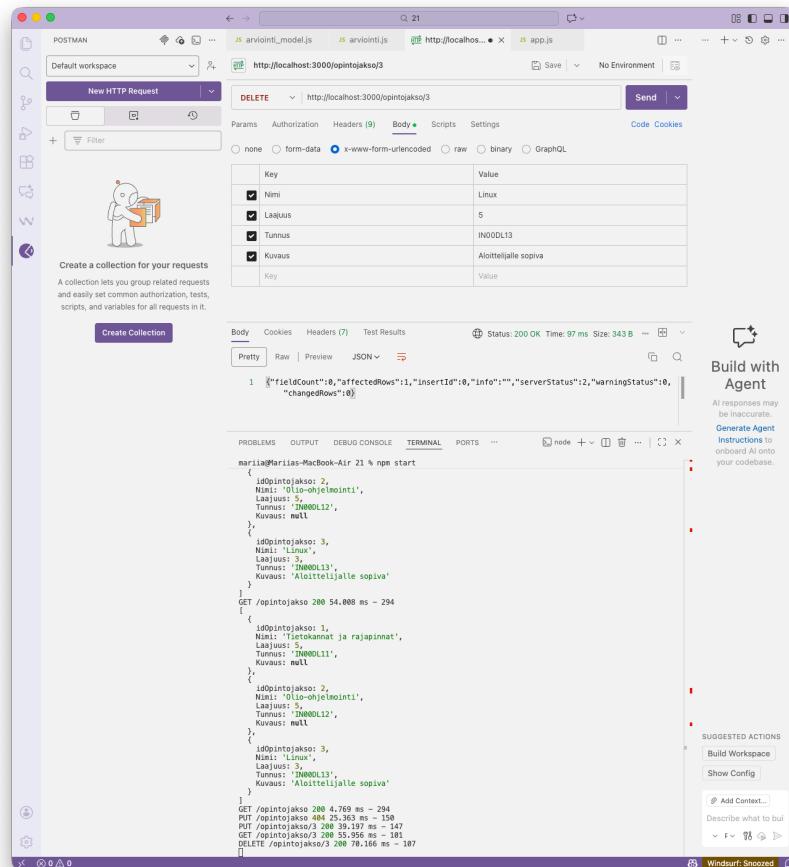
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS node + ...

```
mariamari@MacBook-Air:21% npm start
maria@Marias-MacBook-Air:21% npm start
{
  idOpintojakso: 2,
  Nimi: "Olio-ohjelmointi",
  Laajuus: 5,
  Tunnus: "INNOOL12",
  Kuvaus: null
}
{
  idOpintojakso: 3,
  Nimi: "Linux",
  Laajuus: 5,
  Tunnus: "INNOOL13",
  Kuvaus: "Aloittelijalle sopiva"
}
{
  idOpintojakso: 1,
  Nimi: "Tietokamat ja rajapinnat",
  Laajuus: 5,
  Tunnus: "INNOOL11",
  Kuvaus: null
}
{
  idOpintojakso: 2,
  Nimi: "Olio-ohjelmointi",
  Laajuus: 5,
  Tunnus: "INNOOL12",
  Kuvaus: null
}
{
  idOpintojakso: 3,
  Nimi: "Linux",
  Laajuus: 5,
  Tunnus: "INNOOL13",
  Kuvaus: "Aloittelijalle sopiva"
}
GET /opintojakso 200 4.769 ms - 294
PUT /opintojakso 404 25.363 ms - 150
PUT /opintojakso/3 200 39.197 ms - 147
GET /opintojakso/3 200 55.956 ms - 181
[1]
```

Build with Agent  
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SUGGESTED ACTIONS Build Workspace Show Config Add Context... Describe what to build

# DELETE - poistetaan Linux taulusta opintojakso



The screenshot shows the POSTMAN application interface. A DELETE request is being made to `http://localhost:3000/opintojakso/3`. The request body is set to "x-www-form-urlencoded" and contains the following parameters:

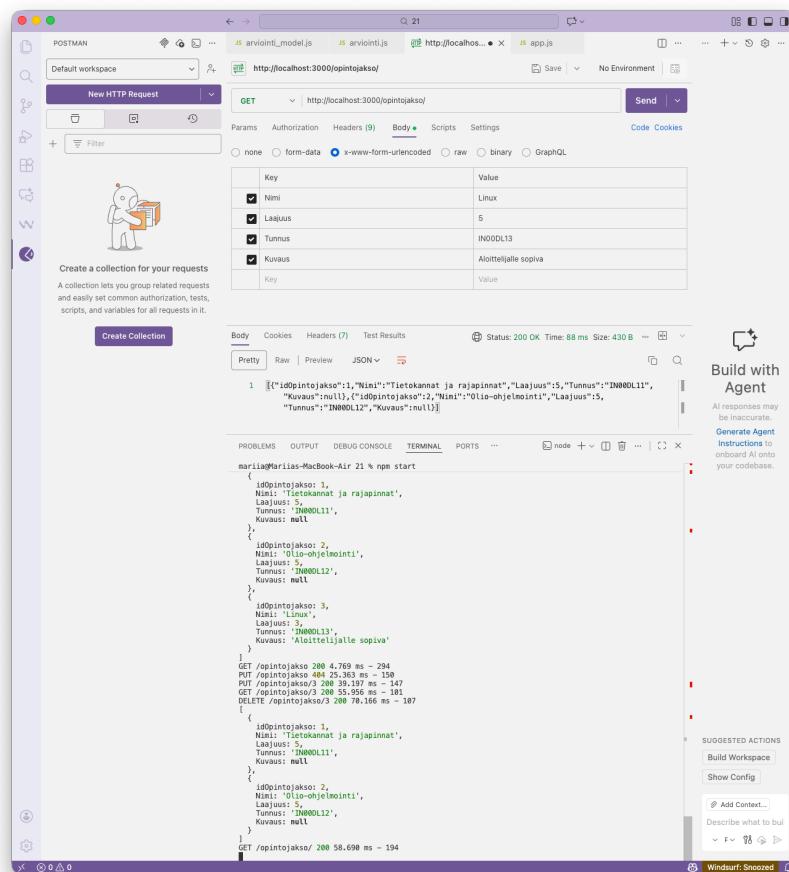
Key	Value
Nimi	Linux
Laajuus	5
Tunnus	IN00DL13
Kuvaus	Aloitettuja sopia

The response status is 200 OK, and the response body is:

```
1  {"fieldCount":0,"affectedRows":1,"insertId":0,"info":{},"serverStatus":12,"warningStatus":0,"changedRows":0}
```

The terminal pane shows the command-line history, including the execution of the DELETE request.

# GET - saadaan näkyviin opintojakso taulun sisältö



The screenshot shows the POSTMAN application interface. A GET request is being made to `http://localhost:3000/opintojakso/`. The request body is set to "x-www-form-urlencoded" and contains the following parameters:

Key	Value
Nimi	Linux
Laajuus	5
Tunnus	IN00DL13
Kuvaus	Aloitettuja sopia

The response status is 200 OK, and the response body is:

```
1  [{"idOpintojakso":1,"Nimi":"Olio-ohjelmointi","Laajuus":5,"Tunnus":"IN00OL11","Kuvaus":null}, {"idOpintojakso":2,"Nimi":"Linux","Laajuus":5,"Tunnus":"IN00OL12","Kuvaus":null}, {"idOpintojakso":3,"Nimi":"Tietokannat ja rajapinnat","Laajuus":5,"Tunnus":"IN00OL13","Kuvaus":null}, {"idOpintojakso":4,"Nimi":"Aloitettuja sopia","Laajuus":5,"Tunnus":null,"Kuvaus":null}, {"idOpintojakso":5,"Nimi": "Tietokannat ja rajapinnat", "Laajuus": 5, "Tunnus": "IN00OL11", "Kuvaus": null}, {"idOpintojakso":6,"Nimi": "Tietokannat ja rajapinnat", "Laajuus": 5, "Tunnus": "IN00OL12", "Kuvaus": null}, {"idOpintojakso":7,"Nimi": "Tietokannat ja rajapinnat", "Laajuus": 5, "Tunnus": "IN00OL13", "Kuvaus": null}, {"idOpintojakso":8,"Nimi": "Aloitettuja sopia", "Laajuus": 5, "Tunnus": null}], 1
```

The terminal pane shows the command-line history, including the execution of the GET request.

## GET - saadaan näkyviin arvionti taulun sisältö

## PUT - lisätään uusi arvosana Linux kurssista (id 4) opiskelijalle (id1)

## GET - tarkistus

POSTMAN

New HTTP Request

Default workspace

http://localhost:3000/arviointi

GET

Params Authorization Headers Body Scripts Settings

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

Key	Value
idOpiskelija	1
idOpintojakso	4
Päivämäärä	2025-12-01
Arvosana	3

Create a collection for your requests  
A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Body Cookies Headers (7) Test Results Status: 200 OK Time: 88 ms Size: 705 B

Pretty Raw Preview JSON

```
[{"idArviointi":1,"idOpiskelija":1,"idOpintojakso":4,"Päivämäärä":null,"Arvosana":3}, {"idArviointi":2,"idOpiskelija":1,"idOpintojakso":2,"Päivämäärä":null,"Arvosana":4}, {"idArviointi":3,"idOpiskelija":2,"idOpintojakso":1,"Päivämäärä":null,"Arvosana":3}, {"idArviointi":4,"idOpiskelija":2,"idOpintojakso":2,"Päivämäärä":null,"Arvosana":5}, {"idArviointi":5,"idOpiskelija":1,"idOpintojakso":4,"Päivämäärä":2025-11-30T22:00:00.000Z, "Arvosana":3}]
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

mariam@Marias-MacBook-Air:21 % npm start

POST /arviointi 200 52.180 ms - 307

{  
 "idArviointi": 1,  
 "idOpiskelija": 1,  
 "idOpintojakso": 4,  
 "Päivämäärä": null,  
 "Arvosana": 5  
},  
{  
 "idArviointi": 2,  
 "idOpiskelija": 1,  
 "idOpintojakso": 2,  
 "Päivämäärä": null,  
 "Arvosana": 4  
},  
{  
 "idArviointi": 3,  
 "idOpiskelija": 2,  
 "idOpintojakso": 1,  
 "Päivämäärä": null,  
 "Arvosana": 3  
},  
{  
 "idArviointi": 4,  
 "idOpiskelija": 2,  
 "idOpintojakso": 2,  
 "Päivämäärä": null,  
 "Arvosana": 5  
},  
{  
 "idArviointi": 5,  
 "idOpiskelija": 1,  
 "idOpintojakso": 4,  
 "Päivämäärä": "2025-11-30T22:00:00.000Z",  
 "Arvosana": 3  
}

GET /arviointi 200 68.523 ms - 468

Build with Agent

AI responses may be inaccurate.  
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SUGGESTED ACTIONS

Build Workspace Show Config

Add Context... Describe what to build

Windsurf: Snoozed

## PUT - muokataan arvosana

POSTMAN

New HTTP Request

Default workspace

http://localhost:3000/arviointi/5

PUT

Params Authorization Headers Body Scripts Settings

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

Key	Value
idOpiskelija	1
idOpintojakso	4
Päivämäärä	2025-12-01
Arvosana	5

Create a collection for your requests  
A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Body Cookies Headers (7) Test Results Status: 200 OK Time: 63 ms Size: 383 B

Pretty Raw Preview JSON

```
{"idArviointi":5,"affectedRows":1,"insertId":1,"info":"Rows matched: 1 Changed: 1 Warnings: 0","serverStatus":2,"warningStatus":0,"changedRows":1}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

mariam@Marias-MacBook-Air:21 % npm start

PUT /arviointi/5 200 8.684 ms - 422

{  
 "idArviointi": 1,  
 "idOpiskelija": 1,  
 "idOpintojakso": 4,  
 "Päivämäärä": null,  
 "Arvosana": 5  
},  
{  
 "idArviointi": 2,  
 "idOpiskelija": 1,  
 "idOpintojakso": 2,  
 "Päivämäärä": null,  
 "Arvosana": 4  
},  
{  
 "idArviointi": 3,  
 "idOpiskelija": 2,  
 "idOpintojakso": 1,  
 "Päivämäärä": null,  
 "Arvosana": 3  
},  
{  
 "idArviointi": 4,  
 "idOpiskelija": 2,  
 "idOpintojakso": 2,  
 "Päivämäärä": null,  
 "Arvosana": 5  
},  
{  
 "idArviointi": 5,  
 "idOpiskelija": 1,  
 "idOpintojakso": 4,  
 "Päivämäärä": "2025-11-30T22:00:00.000Z",  
 "Arvosana": 3  
}

GET /arviointi 200 5.846 ms - 468  
<--  
PUT /arviointi/5 200 7.338 ms - 406  
mariam@Marias-MacBook-Air:21 % npm start  
> node .bin/www  
PUT /arviointi/5 200 52.969 ms - 147

Build with Agent

AI responses may be inaccurate.  
Generate Agent Instructions to onboard AI onto your codebase.

SUGGESTED ACTIONS

Build Workspace Show Config

Add Context... Describe what to build

Windsurf: Snoozed

# GET - tarkistus

The screenshot shows the Postman application interface. A collection named 'Default workspace' is selected. A new request is being prepared with the method 'GET' and the URL 'http://localhost:3000/arviointi/'. The 'Body' tab is active, showing a JSON payload with four fields: 'idOpiskelija' (1), 'idOpintojakso' (4), 'Päivämäärä' (2025-12-01), and 'Arvosana' (5). The 'Test Results' section displays the response status as '200 OK' with a time of 82 ms and a size of 705 B. The response body is a JSON object with a fieldCount of 10, affectedRows of 1, insertId of 0, info of "", serverStatus of 2, warningStatus of 0, and changedRows of 1. The terminal pane shows the command 'node .bin/www' being run multiple times, indicating a loop or a test cycle. The right sidebar includes a 'Build with Agent' feature and a 'Windsurf: Snoozed' notification.

# DELETE - poistetaan idArviointi 5 ja sen sisältö

The screenshot shows the Postman application interface. A collection named 'Default workspace' is selected. A new request is being prepared with the method 'DELETE' and the URL 'http://localhost:3000/arviointi/5'. The 'Body' tab is active, showing a JSON payload with four fields: 'idOpiskelija' (1), 'idOpintojakso' (4), 'Päivämäärä' (2025-12-01), and 'Arvosana' (5). The 'Test Results' section displays the response status as '200 OK' with a time of 81 ms and a size of 343 B. The response body is a JSON object with a fieldCount of 0, affectedRows of 1, insertId of 0, info of "", serverStatus of 2, warningStatus of 0, and changedRows of 0. The terminal pane shows the command 'node .bin/www' being run multiple times, indicating a loop or a test cycle. The right sidebar includes a 'Build with Agent' feature and a 'Windsurf: Snoozed' notification.

# GET - saadaan arvointi taulu sisältö

POSTMAN

Default workspace

http://localhost:3000/arvointi/

GET

Params Authorization Headers (9) Body Scripts Settings

Body (x-www-form-urlencoded)

Key	Value
idOpiskelija	1
idOpintojakso	4
Päivämäärä	2025-12-01
Arvosana	5

Body Cookies Headers (7) Test Results

Status: 200 OK Time: 79 ms Size: 594 B

Pretty Raw Preview JSON

```
[{"idArvointi":1,"idOpiskelija":1,"idOpintojakso":1,"Päivämäärä":null,"Arvosana":5}, {"idArvointi":2,"idOpiskelija":1,"idOpintojakso":2,"Päivämäärä":null,"Arvosana":4}, {"idArvointi":3,"idOpiskelija":2,"idOpintojakso":1,"Päivämäärä":null,"Arvosana":3}, {"idArvointi":4,"idOpiskelija":2,"idOpintojakso":2,"Päivämäärä":null,"Arvosana":5}]
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS ...

mariia@Mariias-MacBook-Air 21 % npm start

```
idArvointi: 4,
idOpiskelija: 2,
idOpintojakso: 2,
'Päivämäärä': null,
Arvosana: 5
},
{
  idArvointi: 5,
  idOpiskelija: 1,
  idOpintojakso: 4,
  'Päivämäärä': 2025-11-30T22:00:00.000Z,
  Arvosana: 5
}
]
```

GET /arvointi/ 200 62.040 ms - 468

DELETE /arvointi/5 200 63.047 ms - 107

[

{

idArvointi: 1,
 idOpiskelija: 1,
 idOpintojakso: 1,
 'Päivämäärä': null,
 Arvosana: 5
},
{
 idArvointi: 2,
 idOpiskelija: 1,
 idOpintojakso: 2,
 'Päivämäärä': null,
 Arvosana: 4
},
{
 idArvointi: 3,
 idOpiskelija: 2,
 idOpintojakso: 1,
 'Päivämäärä': null,
 Arvosana: 3
},
{
 idArvointi: 4,
 idOpiskelija: 2,
 idOpintojakso: 2,
 'Päivämäärä': null,
 Arvosana: 5
}
]

GET /arvointi/ 200 57.695 ms - 357

Build with Agent

AI responses may be inaccurate.

Generate Agent

Instructions to onboard AI onto your codebase.

SUGGESTED ACTIONS

Build Workspace

Show Config

Add Context...

Describe what to build

Windsurf: Snoozed