**What is Axios? 🤔**

**Axios** is a popular JavaScript library used to make HTTP requests from the browser or Node.js. It helps in sending and receiving data from servers.

**Install Axios Using npm**

npm install axios

**Why Use Axios Instead of Fetch? 🤷‍♂️**

1. **Easier Syntax** 📜
   * **Axios:** Simpler code with fewer lines.

axios.get('url')

.then(response => console.log(response))

.catch(error => console.log(error));

**Fetch:** Requires more code to handle JSON and errors.

javascriptCopy code

fetch('url')

.then(response => {

if (!response.ok) throw new Error('Network response was not ok');

return response.json();

})

.then(data => console.log(data))

.catch(error => console.log(error));

1. **Automatic JSON Transformation** 🛠️
   * **Axios:** Automatically transforms JSON data.
   * **Fetch:** Needs manual transformation using response.json().

**Axios Code Examples 💻**

* **GET Request:**

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axios.get('https://api.example.com/data')

.then(response => console.log(response.data))

.catch(error => console.error('Error fetching data:', error));

**POST Request:**

axios.post('https://api.example.com/data', {

name: 'John Doe',

age: 30

})

.then(response => console.log('Data posted:', response.data))

.catch(error => console.error('Error posting data:', error));

**PUT Request:**

axios.put('https://api.example.com/data/1', {

name: 'Jane Doe',

age: 32

})

.then(response => console.log('Data updated:', response.data))

.catch(error => console.error('Error updating data:', error));

**DELETE Request:**

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axios.delete('https://api.example.com/data/1')

.then(response => console.log('Data deleted:', response.data))

.catch(error => console.error('Error deleting data:', error));

## Axios Parameters Example 📒

**Using Parameters in Axios** 🔍

**Purpose:** Send additional query parameters with your requests to the server.

**Usage:** The params option in Axios allows you to include query parameters in your request URL.

**1. GET Request with Parameters** 📥

* **Example:**

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axios.get('https://api.example.com/data', {

params: {

userId: 123,

status: 'active'

}

})

.then(response => {

console.log(response.data);

})

.catch(error => {

console.error('Error fetching data:', error);

});

**Explanation:**

* **URL:** https://api.example.com/data
* **Parameters:**
  + userId: 123
  + status: 'active'
* **Final Request URL:** https://api.example.com/data?userId=123&status=active

Install Json-server Using npm

npm i json-server@0.17.4