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***REPORT #: W:7,D:2***

***TASK TITLE useEffect for API Calls (using fetch)***

### 🌐 React: useEffect for API Calls

The **useEffect** hook is commonly used to **fetch data from an API** when a component mounts or updates.

### 🧠 Key Concepts

* useEffect is used for **side effects** (like API requests).
* fetch() is used to make HTTP requests.
* State is used to store and display the fetched data.

### ✅ Example:

import { useEffect, useState } from "react";

function UserList() {

const [users, setUsers] = useState([]);

useEffect(() => {

fetch("https://jsonplaceholder.typicode.com/users")

.then(res => res.json())

.then(data => setUsers(data));

}, []); // Runs once after component mounts

return (

<ul>

{users.map(user => (

<li key={user.id}>{user.name}</li>

))}

</ul>

);

}

### 📌 Best Practices

* Always add a **dependency array** ([]) to avoid infinite calls.
* Handle **loading** and **error** states in real apps.