What is a **REST** **API**?

(Real Life Example)

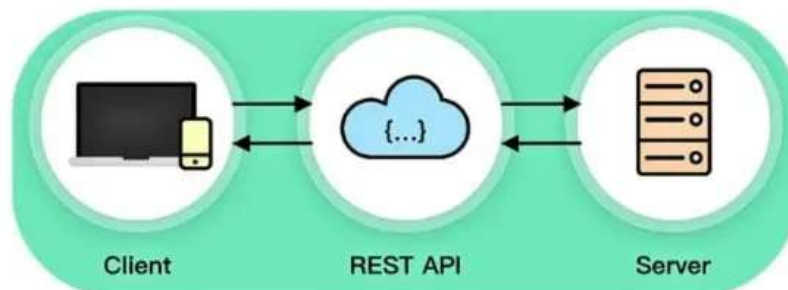Swipe>>

👨‍💻 Real-Life Example

Imagine a restaurant:

- **You (Client)** ask for **food (data)** 🍽️

- **Waiter (REST API)** takes it to the **kitchen (Server)** 👨‍🍳

- Kitchen cooks, waiter brings it back — you get the **dish (response)** ✅

The waiter = REST API

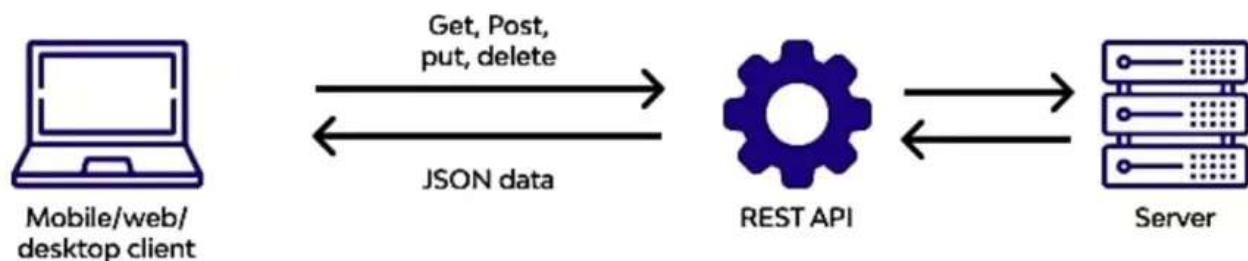Client   REST API   Server

What is a REST API?

REST API for Representational State Transfer Application Programming Interface.

REST API lets **two computer systems talk over the internet** using HTTP (like websites).

Follows **rules (GET, POST, PUT, DELETE)** to request or change data on a server.

Get, Post, put, delete

JSON data

Mobile/web/ desktop client

REST API

Server

Code Example

(REST API - Fetching Data from an API):

```javascript
fetch("https://api.example.com/users/1")
  .then(response => response.json())
  .then(data => console.log(data));
```

This **code fetches user data** from an API
and logs it to the console. 🚀

🧰 REST Methods:

Method	Action	Example
GET	🔍 Retrieve data	Get all users → /users
POST	➕ Create new data	Add a new user → /users
PUT	✏️ Update entire data	Update user → /users/1
PATCH	✏️ Update partial data	Edit email only → /users/1
DELETE	✖️ Delete data	Remove user → /users/1

Now You Know

REST APIs are the **bridge** between frontend & backend.

They allow your app to talk to servers in a clean, efficient, and scalable way.

Follow **@code_helping** for more such content & Join **Telegram** from Link in bio.