JSON Schema Validation

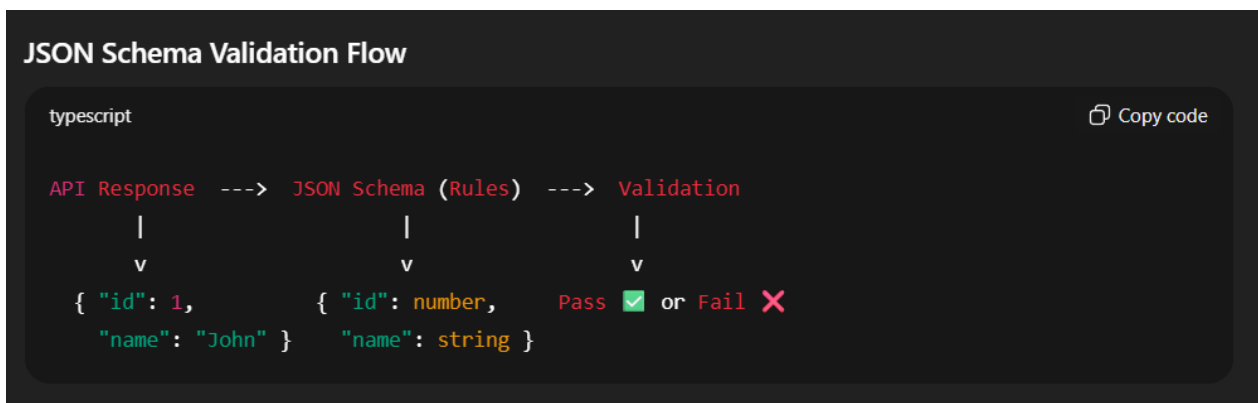**What is JSON Schema Validation in Postman?**

- It is a way to **check the API response body** automatically.

- It makes sure the response JSON is in the **correct format**.

- It checks if **keys and values** are present and correct.

- Example: If the API should return "name": "John" as a string, schema validation will fail if it comes as a number.

Why do we use it?

- To **verify API responses** quickly.

- To **avoid manual checking** of every key/value.

- To make tests **more reliable**.

In Short Sentence:

JSON Schema Validation in Postman means checking if the API response follows the correct structure and data types. A schema is like a rulebook that defines required fields and their data types, like string, number, or Boolean. In Postman, we write this schema in the Tests tab and run it against the API response. If the response matches the rules, the test passes; if not, it fails. This helps us make sure the API is returning the right format without manually checking every time."

Steps in Words

1. **API sends response** → JSON data.

2. **Schema defines rules** → what keys & data types should be.

3. **Validation compares** → response vs schema.

4. **Result** → Pass (if rules match) or Fail (if not).