Bhai 😎 chalo ab samajhte hain **Chapter 4: Serving HTML or JSON** ekdum **desi style** me:

**1. Concept – Serving HTML ya JSON ka matlab kya hai?**

👉 Server ka kaam hai **client (browser / app)** ko response dena.  
Response 2 common type ke hote hain:

1. **HTML** – Jaise ek **webpage** serve karna (browser me dikh jaaye).  
   Example: Tumne index.html banaya aur server ne browser ko bhej diya.
2. **JSON** – Jaise **data** bhejna (mostly APIs me use hota hai).  
   Example: Mobile app request kare → server JSON data bhej de {name: "Rupesh", age: 25}.

**2. Serving HTML Example**

const http = require('http');

const fs = require('fs');

const server = http.createServer((req, res) => {

if (req.url === "/") {

fs.readFile("index.html", (err, data) => {

if (err) {

res.writeHead(500, { "Content-Type": "text/plain" });

res.end("Server Error Bhai 😢");

} else {

res.writeHead(200, { "Content-Type": "text/html" });

res.end(data);

}

});

}

});

server.listen(3000, () => {

console.log("Server chal raha hai http://localhost:3000 par 🚀");

});

👉 Yaha index.html file browser me serve ho jayegi.

**3. Serving JSON Example**

const http = require('http');

const server = http.createServer((req, res) => {

if (req.url === "/api") {

const user = { name: "Rupesh", age: 25, city: "Patna" };

res.writeHead(200, { "Content-Type": "application/json" });

res.end(JSON.stringify(user));

}

});

server.listen(3000, () => {

console.log("Server chal raha hai http://localhost:3000 par 🚀");

});

👉 Agar tum browser me http://localhost:3000/api kholo → tumhe JSON data dikhega.

**4. Desi Summary**

* **HTML serve karna** → Full webpage bhejna browser ko
* **JSON serve karna** → Data bhejna (API banane me use hota hai)
* Content-Type header zaroori hai:
  + HTML → text/html
  + JSON → application/json

**5. Exercise Time 📝**

**Exercise 1:**

Ek server banao jo / route par home.html file serve kare.

**Exercise 2:**

Ek server banao jo /user route par JSON bheje:

{

"id": 101,

"name": "It Modem",

"role": "Backend Master"

}

👉 Bhai, kya tu chahata hai main ab tumhare liye **ek combined example bana du** jisme ek hi server HTML aur JSON dono serve kare depending on route?