Bhai 😎 ab baari aayi hai **CLI Tools in Node.js** ki, ekdum desi style me!

**1. Concept – CLI Tools kya hai?**

👉 CLI (Command Line Interface) tools wo hote hain jise tum **terminal/command prompt** se chala sakte ho.

* Jaise git, npm, node ye sab khud CLI tools hain.
* Node.js me tum apna khud ka CLI tool bana sakte ho jo terminal me input lega aur output dega.

**Key cheez** → Hum use karte hain:

* process.argv → Command line arguments lene ke liye
* fs → File ke sath jugad karne ke liye
* console.log → Output dikhane ke liye

**2. Syntax & Code – Kaise likhte hain CLI tool?**

**Example 1: Simple Hello CLI**

👉 cli.js

// cli.js

const name = process.argv[2]; // 2nd argument se value aayegi

console.log(`Hello, ${name}`);

**Run karo terminal me:**

node cli.js Alice

👉 Output:

Hello, Alice

**Example 2: Calculator CLI 🧮**

👉 calc.js

const operation = process.argv[2];

const num1 = parseFloat(process.argv[3]);

const num2 = parseFloat(process.argv[4]);

if (operation === "add") {

console.log("Result:", num1 + num2);

} else if (operation === "sub") {

console.log("Result:", num1 - num2);

} else if (operation === "mul") {

console.log("Result:", num1 \* num2);

} else if (operation === "div") {

console.log("Result:", num2 !== 0 ? num1 / num2 : "Bhai 0 se divide nahi hoga!");

} else {

console.log("Unknown operation! Use add, sub, mul, div.");

}

**Run karo:**

node calc.js add 10 5

👉 Output:

Result: 15

**3. Exercise – Practice Time**

**📝 Exercise 1: Greeting CLI**

Ek CLI banao jo input name le aur bole:

Hello Bhai <name>, Welcome to Node.js CLI!

👉 Example:

node greet.js Rupesh

👉 Output:

Hello Bhai Rupesh, Welcome to Node.js CLI!

**📝 Exercise 2: Notes CLI 📝**

Ek CLI banao jo file me notes add kare:

* Command: node notes.js add "Mera pehla note" → note.txt me save ho
* Command: node notes.js read → saare notes terminal me print ho

👉 Hint: fs.appendFileSync() aur fs.readFileSync() use karo.

**🎯 Desi Summary**

1. **Concept** → CLI tools = Apna khud ka terminal app banane ka jugad.
2. **Syntax** → Input lene ke liye process.argv, file handle karne ke liye fs.
3. **Exercises** → Greeting CLI + Notes CLI

👉 Bhai, kya tu chahata hai main tumhe ek **real-world CLI project** bana kar samjhau jisme tum apna khud ka **To-Do CLI App** banao?