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***TASK TITLE ES6+ Concepts: Destructuring, Spread/Rest, Template Literals***

### 🌟 ES6+ Concepts in JavaScript

ES6 (ECMAScript 2015) introduced modern syntax to make code cleaner and more readable.

**🔍 1. Destructuring**

* **Use**: Extract values from objects or arrays easily.

**✅ Example:**

let person = { name: "Ali", age: 25 };

let { name, age } = person;

// name = "Ali", age = 25

**📦 2. Spread & Rest (...)**

**🔹 Spread: Expands elements (copy or merge)**

let arr1 = [1, 2];

let arr2 = [...arr1, 3, 4]; // [1, 2, 3, 4]

**🔹 Rest: Collects multiple values into one**

function sum(...nums) {

return nums.reduce((a, b) => a + b, 0);

}

**💬 3. Template Literals**

* **Use**: Embed variables in strings using backticks (``)

**✅ Example:**

let name = "Ali";

let msg = `Hello, ${name}!`; // Hello, Ali!