

Training Day 12

Day 12 - 4th July 2025

TOPICS COVERED – Destructuring in JavaScript

1. Array Destructuring

Used to extract values from arrays and assign them to variables in a cleaner way.

Example:

```
const arr = [10, 20, 30];  
const [a, b, c] = arr;  
console.log(a); // 10
```

You can:

- Skip values:

```
const [first, , third] = arr;
```

- Use default values:

```
const [x = 100, y = 200] = [50];
```

2. Object Destructuring

Used to extract properties from an object into separate variables.

Improved Example:

```
let student = {  
  name: "Sarthak",  
  marks: 90,
```

```
    city: "Delhi",  
    company: "Sensation",  
  };  
  
  // Destructuring with renaming and default value  
  let { name, marks: score, city: location = "Patna" } = student;  
  
  console.log(name);    // Sarthak  
  console.log(score);   // 90  
  console.log(location); // Delhi
```

Explanation:

- marks: score renames marks to score.
- city: location = "Patna" assigns the value of city to location with a fallback default.
- Useful for simplifying access to object properties in code.

TASK FOR TOMORROW

Explore and understand:

- Spread & Rest Operators
- Template Literals
- ES6 Modules (import/export)