DESTRUCTURING ASSIGNMENT

Destructuring assignment is a feature introduced in ECMAScript 6 (ES6) that provides a concise and convenient way to extract values from arrays or properties from objects and assign them to variables. It allows you to "destructure" complex data structures into individual variables, making it easier to work with the data.

DESTRUCTURING ARRAYS:

e.g.

```
<script>
  // Destructuring an array
  const numbers = [1, 2, 3, 4, 5];
  // Extracting values from the array into separate variables
  const [first, second, , fourth] = numbers;
  console.log(first);
  console.log(second);
  console.log(fourth);
</script>
```

Destructuring Objects:

e.g.

```
<script>
  // Destructuring an object
  const person = {
    name: "Alice",
    age: 30,
    city: "New York",
  };

  // Extracting properties from the object into separate variables
  const { name, age, city } = person;

  console.log(name);
  console.log(age);
  console.log(city);
</script>
```

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