



Satyaansh Softech



Project Based Learning



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100% Project-Based Learning



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Destructuring

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Outline

01 Destructuring

02 Destructuring Arrays

03 Destructuring Objects

Applications of destructuring

Destructuring Arrays While Iterating

```
let capitalsAndCountries = [  
  ["india", "NewDelhi"],  
  ["china", "beizing"],  
  ["pakistan", "lahore"],  
  ["afghanistan", "kabul"],  
];  
  
for (let [country, capital] of capitalsAndCountries) {  
  console.log("Country:", country, "| Capital:", capital);  
}
```

Destructuring Objects

```
const cuboid = {  
  length: 5,  
  breadth: 4,  
  height: 2,  
};  
  
const { length: l, breadth: b, height: h, dim = 9 } = cuboid;  
  
console.log("Cuboid:", l, b, h, dim);
```

Destructuring Objects While Iterating

```
const students = [  
  { name: "satyawar", gender: "male", age: 200 },  
  { name: "kanak", gender: "bachchha", age: 500 },  
  { name: "komal", gender: "bachchha", age: 700 },  
];  
  
for (const { gender } of students) {  
  console.log("Gender:", gender);  
}
```


Objects in Function Parameters

Without Destructuring

```
// Function taking object WITHOUT destructuring
const meters = {
  height: 23,
  width: 32,
};

function peri(rectangle) {
  return 2 * (rectangle.height + rectangle.width);
}
```

Objects in Function Parameters

With Destructuring

```
// Function taking object WITH destructuring
function peri2({ height, width }) {
  return 2 * (height + width);
}
```




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