

1. what is destructuring ?

Ans: Destructuring is the convenient way of extracting data stored in objects and arrays.

2. What is spread?

Ans: Spreading is breaking the array into individual components using (Three-dot ellipsis (...)) as a prefix to the array).

Ex: let second = { ...first };

3. Why destructuring ?

Ans: It is one of the simplest process when you are working with arrays and objects. It makes very quick to pull out a specific property from an object. You're also allowed to map properties into aliases as well. It allows you to swap variables without the need for the infamous aux variable.

4. What are the different types of destructuring ?

Ans: 1. Array destructuring

2. Object destructuring

5. What is elision ?

Ans: Elision lets you use the syntax of Array "holes" to skip elements during destructuring:

```
const [, , third, fourth] = ['a', 'b', 'c', 'd']; // third = 'c'; fourth = 'd'
```

6. What does .exec() do ?

Ans: exec() returns null if the regular expression doesn't match. Unfortunately, you can't handle null via default values,

which is why you must use the Or operator (||).

7. What is mixed destructuring ?

Ans: The pattern in which object and array destructuring can be used together to create complex expressions is known as

mixed destructuring.

8. What are the advantages of destructuring ?

Ans:

1. One of the best feature of ECMA script which is available in ES6.
2. Extracting data from objects and array becomes simple.
3. Easy to learn who knows basics javascript.
4. You can also define default values, for the case where the pulled property evaluates to undefined.

9. When we can use destructuring?

Ans:1) when you are writing module import statements.

2) when working things like regular expressions.

3) to define default options when you have a method with a bunch of options.

4) when there is a method that returns object.

10. What is the syntax for nested destructuring ?

Ans: syntax: let { prop: alias, prop : { object1 }, prop: { object2 },} = object to be destructed

Ex:

```
let user = {  
  department: "DP1",  
  name: "SandeepSoni",  
  favouriteCricketer: {  
    first: {  
      name: "Sachin"  
    },  
    second: {  
      name: "Dhoni"  
    }  
  },  
}
```

```
hobbies: ["playing cricket", "playing chess"],  
};  
let {name:name, favouriteCricketer: { first, second }, hobbies: [hob3, hob4]} = user;
```

11. What is the difference between destructuring and spread ?

Ans: The spread operator is the opposite of destructuring.

Spread: It will break the array into individual components using (Three-dot ellipsis (...)) as a prefix to the array).

spread an array/object into another array/object.

Destructuring: It will extract data stored in objects and arrays.