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Concept of object and array destructuring

SWIPE



Overview

This JavaScript code snippet illustrates the concept of object and array destructuring, demonstrating how to extract and use information from a **'person'** object. Additionally, it introduces two functions (**'createUser1'** and **'createUser2'**) that leverage destructuring to simplify the creation of objects based on the data from the **'person'** object.



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'person' Object




```
1 const person = {  
2   name: 'Bart',  
3   job: 'Student',  
4   parents: ['Homer', 'Marge'],  
5 }  
6
```

A person object is defined, containing properties such as name, job, and parents.

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Object Destructuring



```
1 const {name, job, parents} = person;  
2 console.log(name, job, parents);
```

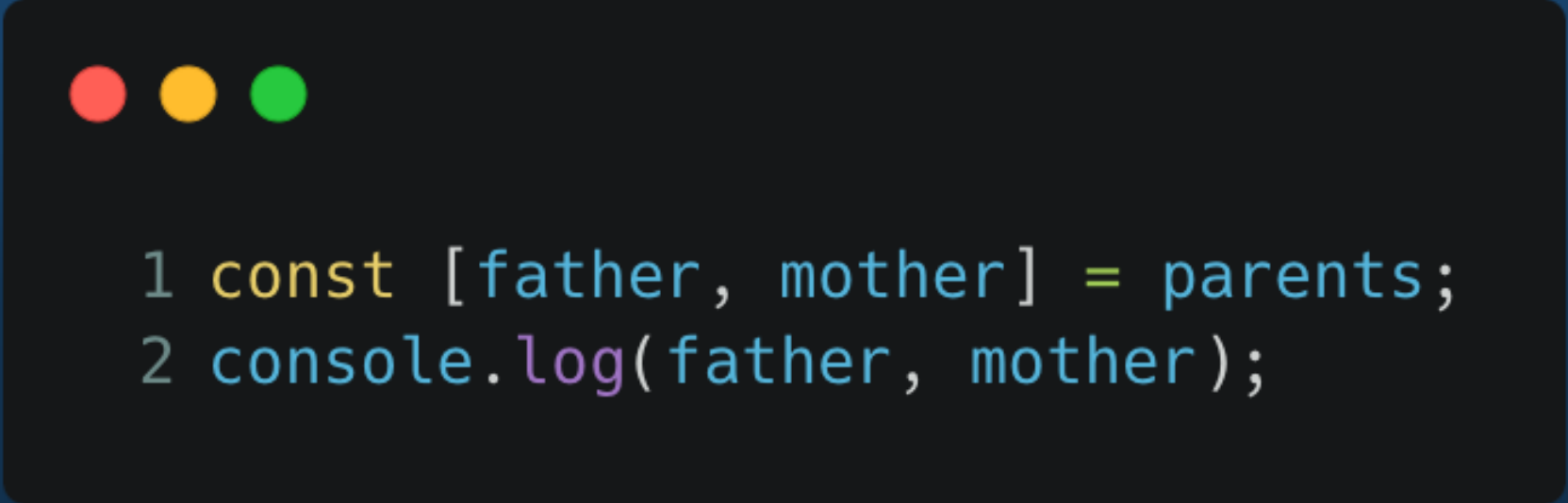
Object destructuring is used to extract variables **'name'**, **'job'**, and **'parents'** directly from the **'person'** object. Subsequently, these variables are logged to the console.



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Array Destructuring



```
1 const [father, mother] = parents;  
2 console.log(father, mother);
```

Array destructuring is employed to extract the **'father'** and **'mother'** elements from the **'parents'** array, and these values are logged to the console.



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'createUser1' Function

```
1 function createUser1(person1) {  
2   const id = Math.floor(Math.random() * 9999);  
3   return {  
4     id: id,  
5     name: person1.name,  
6     job: person1.job,  
7     parents: person1.parents  
8   };  
9 };  
10 console.log(createUser1(person));
```

The '**createUser1**' function creates a new user object with a random ID, using data from the '**person**' object passed as an argument.

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'createUser2' Function

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```
1 function createUser2({name, job, parents}) {  
2   const id = Math.floor(Math.random() * 9999);  
3   const [father] = parents;  
4   return {  
5     id,  
6     name,  
7     job,  
8     father  
9   };  
10 };  
11 console.log(createUser2(person));  
12
```

The '**createUser2**' function utilizes object destructuring as an argument and improves the creation of the user object, including only the necessary properties such as '**id**', '**name**', '**job**', and '**father**' (extracted from '**parents**').

ONE MORE

console result



```
{id: 8924, name: 'Bart', job: 'Student', father: 'Homer'}  
  id: 8924  
  name: "Bart"  
  job: "Student"  
  father: "Homer"  
  [[Prototype]]: Object
```

ONE MORE



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Did you like it?

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