JAVASCRIPT INTERVIEW QUESTIONS

Shallow Copy:

```javascript
const originalObject = { a: 1, b: { c: 2 } };

const shallowCopy = Object.assign({}, originalObject);

shallowCopy.b.c = 3;

console.log(originalObject);
console.log(shallowCopy);

// Output:
{ a: 1, b: { c: 3 } }
{ a: 1, b: { c: 3 } }
```

// Question No.21 "How can you clone an object in JavaScript and also give one example each deep copy, shallow copy, and reference copy."

DeepCopy:

```javascript
const originalObject = { a: 1, b: { c: 2 } };

const deepCopy = JSON.parse(JSON.stringify(originalObject));

deepCopy.b.c = 3;

console.log(originalObject);
console.log(deepCopy);

// Output:
{ a: 1, b: { c: 3 } }
{ a: 1, b: { c: 3 } }
```

// Question No.21 "How can you clone an object in JavaScript and also give one example each deep copy, shallow copy, and reference copy."

Shallow Copy:

```javascript
const originalObject = { a: 1, b: { c: 2 } };

const deepCopy = JSON.parse(JSON.stringify(originalObject));

deepCopy.b.c = 3;

console.log(originalObject);
console.log(deepCopy);

// Output:
{ a: 1, b: 3 }
{ a: 1, b: 3 }
```
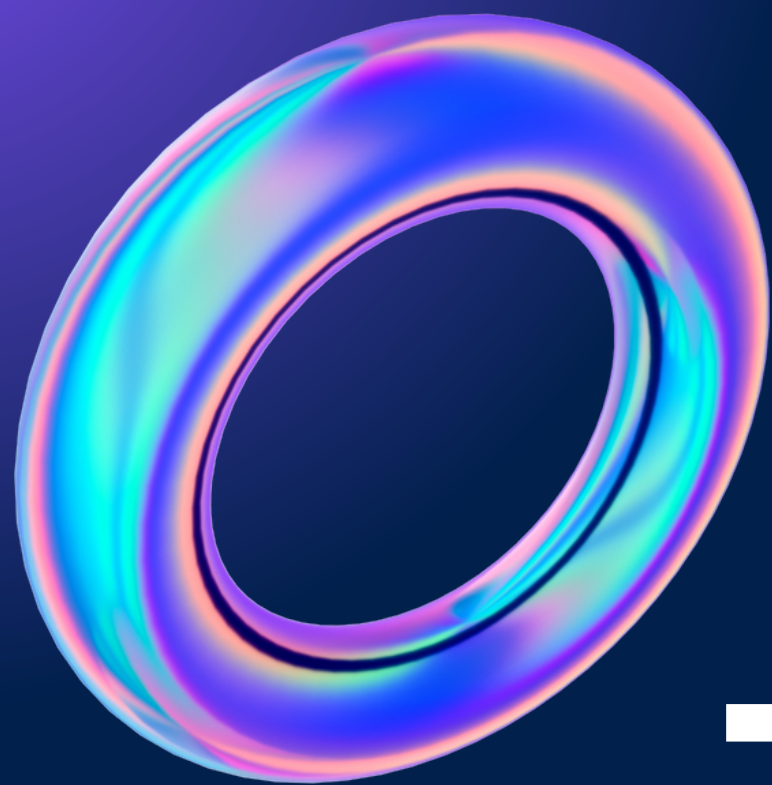
THANK YOU

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