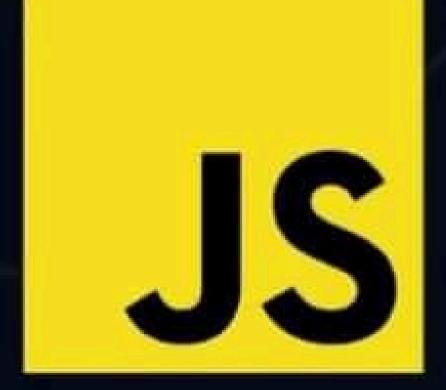
# JavaScript

ES5 VS ES6

(Must Read)



### 1. String Concatenation

### **ES5:**

```
var fullName = firstName + ' ' + lastName;
```

```
const fullName = `${firstName} ${lastName}';
```

### 2. Function Declarations

### **ES5**:

```
function sayHello() {
   console.log('Hello!');
}
```

```
const sayHello = () => {
   console.log('Hello!');
};
```

### 3. Template Literals

### ES5:

```
var message = 'Hello, ' + name + '!';
```

```
const message = 'Hello, ${name}!';
```

### 4. Spread Operator

### **ES5:**

```
var arr1 = [1, 2, 3];
var arr2 = [4, 5, 6];
var combined = arr1.concat(arr2);
```

```
const arr1 = [1, 2, 3];

const arr2 = [4, 5, 6];

const combined = [...arr1, ...arr2];
```

### 5. Object Destructuring

### **ES5**:

```
var person = {
    name: 'John',
    age: 30
};
var name = person.name;
var age = person.age;
```

```
const person = {
   name: 'John',
   age: 38
};
const { name, age } = person;
```

### 6. Default Parameter Values

### **ES5:**

```
function greet(name) {
   name = name || 'Guest';
   console.log('Hello, ' + name + '!');
}
```

```
const greet = (name = 'Guest') => {
   console.log('Hello, ${name}!');
};
```

## Follow