

# JavaScript

**ES5 VS ES6**

( Must Read )



# 1. String Concatenation

ES5 :

...

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

ES6 :

...

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

## 2. Function Declarations

ES5 :

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

ES6 :

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

# 3. Template Literals

ES5 :

...

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

ES6 :

...

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

# 4. Spread Operator

ES5 :

...

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

ES6 :

...

```
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;
```

## ES6 :

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

## 6. Default Parameter Values

ES5 :

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

ES6 :

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

**Follow**