



Here's a summary of the ES6+ features you mentioned:

1. Arrow Functions:

- **Syntax:** `(parameters) => { statements }`

- **Example:**

```
javascript
```

```
const add = (a, b) => a + b;
```

- **Behavior:** Arrow functions do not have their own `this`, `arguments`, or `super`. This makes them useful in callbacks where you want to preserve the lexical scope of `this`.

2. Destructuring:

- **Object Destructuring:**

```
javascript
```

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

- **Array Destructuring:**

```
javascript
```

```
const [first, second] = [1, 2, 3];
```

- **Usage:** Destructuring simplifies the extraction of values from arrays and objects.

3. Template Literals:

- **Syntax:** Use backticks (```) instead of quotes.

- **Example:**

```
javascript
```

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

- **Features:** Supports multi-line strings and embedding expressions inside the template.

4. Classes:

- **Syntax:**

```
javascript
```

```
class Person {
  constructor(name) {
    this.name = name;
  }
  greet() {
    return `Hello, ${this.name}`;
  }
}
```

- **Usage:** Provides syntactic sugar for creating objects with methods, supporting inheritance and a more intuitive way of working with prototypes.

5. Modules:

- **Exporting:**

```
javascript
```

```
export const pi = 3.14;
export function add(x, y) { return x + y; }
```

- **Importing:**

```
javascript
```

```
import { pi, add } from './math';
```

- **Usage:** Modules help organize code into reusable, self-contained units, supporting better code structure and reusability.

These features provide a more concise and powerful way to write modern JavaScript.