

JavaScript ES6

Must Know Features



Arrow Functions:

Simplify your functions with cleaner syntax and automatic this binding.



```
1  const add = (a, b) => a + b;  
2  console.log(add(2, 3)); // Output: 5
```

SWIPE



01/08

Template Literals:

Easily embed variables and expressions in your strings.



```
1  const add = (a, b) => a + b;  
2  console.log(add(2, 3)); // Output: 5
```

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02/08

Destructuring Assignment:

Unpack values from arrays or objects into variables with ease.



```
1  const [x, y] = [1, 2];  
2  const { name, age } = { name: 'Rokon', age: 30 };  
3  console.log(x, y); // Output: 1 2  
4  console.log(name, age); // Output: Rokon 30
```

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03/08

Spread and Rest Operators:

Expand or gather elements in arrays, objects, and function arguments.



```
1  const numbers = [1, 2, 3];
2  const moreNumbers = [... numbers, 4, 5];
3  console.log(moreNumbers); // Output: [1, 2, 3, 4, 5]
4
5  function sum(... args) {
6      return args.reduce((a, b) => a + b, 0);
7  }
8  console.log(sum(1, 2, 3)); // Output: 6
```

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Modules:

Organize your code by exporting and importing modules for better structure and reusability.



```
1  // math.js
2  export const add = (a, b) => a + b;
3
4  // main.js
5  import { add } from './math.js';
6  console.log(add(2, 3)); // Output: 5
```

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Classes:

Use classes for a cleaner, more intuitive way to work with objects and prototypes.



```
1  class Person {  
2      constructor(name, age) {  
3          this.name = name;  
4          this.age = age;  
5      }  
6  
7      greet() {  
8          console.log(`Hello, my name is ${this.name}`);  
9      }  
10 }  
11  
12 const rokon = new Person('Rokon', 30);  
13 rokon.greet(); // Output: Hello, my name is Rokon
```

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06/08

Promises and Async/Await:

Handle asynchronous operations with more readable code.

```
1  const fetchData = () => {  
2      return new Promise((resolve) => {  
3          setTimeout(() => resolve('Data fetched'), 1000);  
4      });  
5  };  
6  
7  async function getData() {  
8      const data = await fetchData();  
9      console.log(data); // Output: Data fetched  
10 }  
11  
12 getData();
```

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Default Parameters:

Set default values for function parameters to make your functions more flexible.



```
1  function greet(name = 'Guest') {  
2      console.log(`Hello, ${name}`);  
3  }  
4  
5  greet(); // Output: Hello, Guest  
6  greet('Rokon'); // Output: Hello, Rokon
```

SWIPE



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