

ES6

CheatSheet



JS E6 Cheatsheet

• Async/Await

- **Async functions:** `async function() {}`.
- **Await keyword:** `await promise`.

• Modules

- Importing: `import { module } from 'source'`.
- Exporting: `export const module`.

• Map and Set

- **Map:** Key-value pairs, `new Map()`.
- **Set:** Unique values, `new Set()`.

• Symbols

- Unique and immutable identifiers: `const sym = Symbol('description')`.

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• Iterators and Generators

- Iterators: Custom iteration logic.
- Generators: `function* generator() { yield value; }`.

• Enhanced Object Literals

- Shorthand properties: `const obj = { a, b }`.
- Method definitions: `method() {}`.

• For...of Loop

- Iterate over iterable objects: `for (const item of iterable) {}`.

• Block-Scoped Variables

- `let` and `const` are block-scoped, unlike `var`.



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- Arrow Functions and 'this'

- Arrow functions do not have their own this.

- Modules (Import/Export)

- Import: **import { myModule } from 'myModule.js'.**
 - Export: **export const myModule =**

- Enhanced Function Parameters

- Default, rest, and spread parameters in functions.

- **Object.assign()**

- Merge objects: **Object.assign(target, source1, source2).**

- **Object.entries() and Object.values()**

- Entries: **Object.entries(obj).** www.developerupdates.com
 - Values: **Object.values(obj).**

- **Array.from() and Array.of()**

- Array from iterable: **Array.from(iterable).**
 - Array from arguments: **Array.of(arg1, arg2).**

- String Methods

- Includes: **str.includes('substring').**
 - Starts with: **str.startsWith('prefix').**
 - Ends with: **str.endsWith('suffix').**

- Number Methods

- Is finite: **Number.isFinite(value).**
 - Is NaN: **Number.isNaN(value).**



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• Let and Const

- **let**: Block-scoped variable declaration.
- **const**: Block-scoped, immutable variable declaration.

• Arrow Functions

- Shorter syntax: **(params) => expression**.
- No **this** binding.

• Template Literals

- String interpolation: `'Hello, ${name}'`.
- Multi-line strings.

• Destructuring

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- Object destructuring: **const {a, b} = obj**.
- Array destructuring: **const [x, y] = arr**.

• Spread and Rest Operators

- Spread: ‘...’ to expand arrays/objects.
- Rest: ‘...’ to collect function arguments.

• Default Parameters

- Set default values for function parameters: **function(x = 10) {}**.

• Classes

- Class syntax: **class MyClass {}**.
- Constructors and methods.

• Promises

- Asynchronous operations: **new Promise((resolve, reject) => {})**.
- Methods: **.then()**, **.catch()**, **.finally()**.



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- **Promises and Async/Await**

- Promises: **new Promise((resolve, reject) => {})**.
- Async/Await: **async function() { await promise; }**.

- **Set**

- Unique values collection: **new Set([iterable])**.

- **WeakMap and WeakSet**

- WeakMap: **new WeakMap()**.
- WeakSet: **new WeakSet()**.

- **Modules (Dynamic Import)**

- Dynamic import: **import('module').then(...)**.





FOLLOW