

# JavaScript

# 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()`.

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- **Symbols**

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

- **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**.



# JS E6 Cheatsheet

- **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)**.
  - 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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# JS E6 Cheatsheet

- **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()**.



# **JS** E6 Cheatsheet

- **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**