

JavaScript

ES6

What is ES6

- 6th Edition - ECMAScript 2015
- ECMA-262
- Compatibility tables
- Can I use ES6
- ECMAScript 6: Feature Overview & Comparison

Resource

- MDN
 - JavaScript Technologies
 - Learn JavaScript
 - JavaScript Guide
 - JavaScript Reference
- Exploring ES6

let, const

- let
 - Declare a variable with block scope
- const
 - Declare a constant variable with block scope
- never use var

Classes

- syntactical sugar
- constructor
- extends
- super
- static method

Module

- <script type="module" src="js/demo.js"></script>
- <script nomodule src="js/demo-iife.js"></script>
- Fallback
- import
- export

More features

- Arrow functions
- Template literals
- Default parameters
- Rest parameters
- Spread syntax
- Promises
- Destructuring assignment
- Enhanced Object literals

Sublime Text

- Preference -> Settings
 - "tab_size": 2
 - "translate_tabs_to_spaces": true
 - "folder_exclude_patterns": [".svn", ".git", ".hg", "CVS", "node_modules"]
 - "default_line_ending": "unix"
 - VSCode
- Preference -> Package Setting -> Package Control -> User
 - "channels": ["https://raw.githubusercontent.com/HBLong/channel_v3_daily/master/channel_v3.json"]
- Terminal

ESLint

- Install eslint npm module
 - `npm install eslint --save-dev`
- Setup a configuration file
 - `npx eslint --init`
- Lint your source
 - `"eslint": "eslint src/"`
- [Airbnb JavaScript Style Guide](#)

ESLint

- SublimeLinter
 - "linters": { "eslint": { "disable": true } }
- Sublime text project setting:
 - "settings": { "SublimeLinter.linters.eslint.disable": false }
- SublimeLinter-eslint
- ESLint-Formatter
- Configure
 - eslintConfig
 - eslintignore
- Sonarlint
 - Javascript rules

Rollup

- Module bundler for JavaScript, Tree-shaking
- Install: `npm install -g rollup`
- `rollup -c rollup.config.js`
- Options
 - output.format: amd, cjs, es, iife, umd, system
 - external
- Plugins
 - json: `npm install -D rollup-plugin-json`
 - npm modules: `npm i -D rollup-plugin-commonjs rollup-plugin-node-resolve`
 - babel
 - @babel/polyfill
 - postcss: `npm i -D rollup-plugin-postcss postcss-simple-vars`
 - uglify: `npm i rollup-plugin-uglify -D`
- Other: webpack browserify

More

- ECMA262
 - Finished Proposals
 - ECMAScript 2016(ES7):
 - Array.prototype.includes
 - exponentiation operator
 - ECMAScript 2017(ES8):
 - Async Function
 - SharedArrayBuffer
 - Active Proposals
 - WeakReferences
 - Private field
 - Static class features

Other

- JSDoc
 - DocBlockr
- Jest
 - Configuring
- Puppeteer