

JavaScript (JS) is a versatile, high-level programming language primarily used for web development. It runs in browsers to create interactive and dynamic web pages but is also widely used on servers via environments like Node.js. JS supports multiple programming paradigms, including procedural, object-oriented, and functional styles.

Key features:

- **Client-side scripting:** Manipulates web page content and responds to user actions.
- **Event-driven:** Handles user inputs and events efficiently.
- **Asynchronous programming:** Uses callbacks, promises, and `async/await` for non-blocking operations.
- **Dynamic typing:** Variables can hold any data type without explicit declaration.
- **Modules:** Supports code organization via ES modules (`import/export`).

JS continues evolving with modern standards (ES6+) bringing features like arrow functions, classes, template literals, and more.