JavaScript Details

Introduction

JavaScript is a versatile, high-level programming language primarily used for adding interactivity and functionality to websites. It is one of the core technologies of the web, alongside HTML and CSS.

Key Features

- Interpreted, lightweight, and flexible
- Event-driven and asynchronous programming
- Supports object-oriented, functional, and imperative styles
- Runs on browsers and servers (Node.js)

Common Use Cases

- DOM manipulation
- Form validation
- Creating dynamic web applications
- Building APIs and backend services
- Game development

Popular Frameworks & Libraries

- React.js
- Angular
- Vue.js
- Node.js
- Express.js

Conclusion

JavaScript continues to evolve with modern frameworks, tools, and community support, making it one of the most in-demand languages for developers worldwide.