Feature	Java	JavaScript
Type	Compiled language	Interpreted language
Execution Environment	Java Virtual Machine (JVM)	Web browsers (client-side) and server-side environments (Node.js)
Purpose	General-purpose language	Primarily used for web development
Back-End/Server-Side	Commonly used for server-side programming	Primarily used for client-side scripting
Object-Oriented	Yes	Yes
Static/Dynamic Typing	Statically typed	Dynamically typed
Syntax	C-like syntax	ECMAScript syntax
Memory Management	Automatic garbage collection	Automatic garbage collection
Threading	Native support for multithreading	Single-threaded, supports asynchronous programming
Libraries/Frameworks	Rich ecosystem of libraries and frameworks	Vast collection of JavaScript libraries and frameworks (e.g., React, Angular)
File Access	Can access local files	Restricted access for security reasons
Mobile Development	Supports Android app development	Used for hybrid mobile app development (e.g., with frameworks like React Native)
Desktop Applications	Supports desktop application development	Not commonly used for desktop applications

Feature	Java	JavaScript
Language Similarity	No direct relation to JavaScript	Named similarly due to marketing decision

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