

# Difference Between Java and JavaScript

## Key Difference Between Java and JavaScript

Java	JavaScript
Java is a computer language that focuses on objects.	JavaScript is a scripting language that is built on objects.
Because Java is a tightly typed language, variables must be declared before they may be used. The type of a variable is verified at build time in Java.	JavaScript is a scripting language with a more permissive syntax and set of rules.
Before running a Java application, it should be compiled.	For execution, JavaScript must be embedded into the HTML program.
Java apps do not require the use of a web browser.	To execute JavaScript apps, you'll need a web browser.
It is one of the most difficult languages to master.	It is one of the most straightforward languages to learn.
Users can do complex operations in Java by employing Multi-threading.	The user cannot execute complex activities in JavaScript.
It needs a significant quantity of memory.	It does not demand that much memory.

## What is Java?

Java is an object-oriented programming language with a virtual machine platform that allows you to compile and run applications on almost any platform. It is a programming language that is multi-platform, object-oriented, and network-centric. The features of Java are mentioned below.

- It is intended for the development of object-oriented applications.
- It's a multithreaded language with memory management built.
- It has a network-centric design as it facilitates distributed computing.

## What is JavaScript?

JavaScript is a lightweight programming language (sometimes known as a "scripting language") used to create interactive web pages. It has the ability to inject dynamic text into HTML. The browser's language is also known as JavaScript. JavaScript (JS) is not connected to or similar to Java. Although both languages have a C-like syntax and are extensively used in client-side and server-side Web applications, there are just a few commonalities. The features of JavaScript are given below.

- It's a platform-independent language.
- It is commonly used for client-side and server-side.
- It's simple to pick up and start coding with.

