

INTRODUCTION

JavaScript (JS):

1. Overview:

JavaScript is a high-level, interpreted programming language that is primarily known for its use in web development. It allows developers to create dynamic, interactive websites by adding behavior to HTML elements. JavaScript is supported by all major web browsers, making it a crucial technology for front-end web development.

2. Key Features:

Object-oriented: JavaScript follows an object-oriented programming paradigm.

Dynamic: It allows for dynamic typing and supports dynamic changes to a program at runtime.

Event-driven: JavaScript is often used for handling events, such as user interactions on a webpage.

Asynchronous: Supports asynchronous programming using features like callbacks and promises.

3. Use Cases:

Client-side scripting: Enhancing user experience on websites.

Server-side development: Using platforms like Node.js.

Mobile app development: Frameworks like React Native.