Write a blog about objects and its internal representation in Javascript

Answer:

Object Literal

An object is created using an object literal notation, which is a collection of key value pairs surrounded by curly braces eg, { key1: value1, key2: value2 } is an object literal. The keys in the object literal are strings, and the values can be any JavaScript expression, including other objects, functions, or primitive data types.

Properties

An object in JavaScript has properties, which are key-value pairs that define the characteristics of the object. Properties can be added, removed, or modified at any time during the execution of the program. Properties can be accessed using dot notation or bracket notation, for example, object.key or object["key"].

Object as reference type

Objects are reference types. This means that when an object is assigned to a variable or passed as an argument to a function, a reference to the object is passed, not a copy of the object. If the object is modified, all references to the object will reflect the changes.

Object as dynamic type

Objects are dynamic types. This means that the properties of an object can be added or removed at runtime. This is a powerful feature, as it allows objects to be created and modified on the fly, making it a highly flexible language for creating complex applications.