Object Internal Representation

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Objects are collections of key-value pairs, where keys are strings (or symbols) and values can be of any data type, including other objects.

Objects are used to represent real-world entities, data structures, and more complex data types.

Every object has some property associated with some value.

These values can be accessed using these properties associated with them.

JavaScript engines use various data structures to represent objects efficiently.

Syntax:

           var <object-name> = {key1: value1, key2: value2,... keyN: valueN};

Example:

var car = {Make: “Mercedes”, Model: “C-Class”, Color: “White”, Fuel: Diesel, Weight: “850kg”, Mileage: “8Kmpl”, Rating: 4.5};

Object Properties

The object properties can be different primitive values, other objects and functions.

Properties can usually be changed, added, and deleted, but some are read only.

Example:

var car = {Make: “Mercedes”, Model: “C-Class”, Color: “White”, Fuel: Diesel, Weight: “850kg”,Mileage: “8Kmpl”, Rating: 4.5};

Property→Make,Model,Color,Fuel,Weight,Mileage,Rating

Property Value→Mercedes,C-Class,white,Diesel,850kg,8Kmpl,4.5

Object Methods

An object method is an object property containing a function definition.