# Objects and its internal representation in Javascript

JavaScript may be defined as **an unordered collection of related data, of primitive or reference types, in the form of “key: value” pairs**. These keys can be variables or functions and are called properties and methods, respectively.

It forms the building blocks for modern Javascript and these are different from the primitive data-types like Number, String, Boolean, Null, Undefined and Symbol as they all store a single value each but Objects are complex and each object may contain any combination of these primitive data-types as well as reference data-types.

Object has properties attached to it and the properties defines the characteristics of the object. You can access it using a simple dot-notation.

For Example – If your object is a student, it will have properties like name, age, address, id, etc and methods like updateAddress, updateName, etc.

Create JavaScript Object with Object Literal like a key-value pair or using a Constructor. Constructor is nothing but a function and with help of new keyword, constructor function allows to create multiple objects of same as shown below.

function Vehicle(name, maker) {  
 this.name = name;  
 this.maker = maker;  
 }

let car1 = new Vehicle(’Fiesta’, 'Ford’);  
let car2 = new Vehicle(’Santa Fe’, 'Hyundai’)  
console.log(car1.name); //Output: Fiesta  
console.log(car2.name); //Output: Santa Fe