**OBJECTS IN JAVASCRIPT**

**Objects**:

Objects in everyday life have properties and “method” actions. Take, for instance, a fan. It's an object with properties such as make, color, or model, and actions it can perform such as cooling rooms and controlling humidity.

As explained above, objects in JavaScript are core data structures that comprise properties and methods. While methods are functions/actions an object can perform (such as driving and cooling rooms with real life objects like cars and fans), properties are characteristics of an object such as its name and value.

Objects let you group related data together and split code into logical pieces. In JavaScript, we have primitive values and reference values. Number, Boolean, Null, Undefined, String, and Symbol are primitive values, while objects like DOM nodes, Arrays, and so on are reference values.

In both real life and JavaScript, you can use objects in different ways depending on their properties and methods. We'll learn more about JavaScript objects now.

**How to Create an Object in JavaScript**

We'll use the code below as an example:

const person = {

name:'kamal',

age:30,

friends:[

'Shola','Ade','Ibraheem'

],

greet:function(){

alert('Hello World')

}

}

**Object Creation**

In the above code, we have a person object that we created with curly braces. The object has key-value pairs. You can store key-value pairs in a JavaScript object, associating each key with a unique value.

These key-value pairs allow you to retrieve values using the associated keys. For instance, the above object represents a person with properties like "name", "age"," friends", and a function "greet". Each property becomes a key-value pair with the property name as the key and the property value as the value. Both properties and methods are created inside the object.

To create a key in an object, you don't need a let or const keyword. Because objects are dynamic, you can add or change properties without declaring a variable. Rather, you start with your preferred name, a colon, and then your value.

We created an array of friends inside the object to show we can have an object inside of an object. We created a method (which is a function) inside of an object with greet as the key.