**Objects and its internal representation in Javascript**

Objects are important data types in javascript. Objects are different than primitive datatypes (i.e. number, string, boolean, etc.). Primitive data types contain one value but Objects can hold many values in form of Key: value pair. These keys can be variables or functions and are called properties and methods

**Object Properties**

Every object has some property with some value. These values can be accessed using these properties associated with them.

var myStudent = new Object();

myStudent.firstname = 'Venkat';

myStudent.lastname= 'S';

myStudent.age = 20;

myStudent.joinyear = 2023;

|  |  |
| --- | --- |
| **Key** | **Value** |
| firstname | 'Venkat' |
| lastname | 'S' |
| age | 20 |
| joinyear | 2023 |

After creating myStudent object, the value inside the object can be accessed using keys.

*myStudent.age*

Output: 20

These values can be accessed using brackets notation also.

*myStudent[“age”]*

Output: 20

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.

The syntax for adding a property to an object is :

ObjectName.ObjectProperty = propertyValue;

The syntax for deleting a property from an object is:

delete ObjectName.ObjectProperty;

**Object Methods**

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

Let’s assume to start the car there will be a mechanical functionality.

function(){return ignition.on}

and so similar is to stop/brake/headlights on & off, etc.

So, Conclusion and simple definition for Java Script Object methods is “Methods are actions that can be performed on objects.”.

**Object.create Method**

Objects can also be created using the Object.create() method. This method can be very useful, because it allows you to choose the prototype object for the object you want to create.