**Data Types in JavaScript:**

Data Types in Java Script are segregated into below three types:

**Primitive Data Type:** A primitive data value is a single simple data value with no additional properties and methods.

String, Number, Boolean, BigInt

**Trivial Data Type:** A data type which does not contain any values.

Null, Undefined

**Composite Data Type:** A data type which has multiple data types grouped together.

Array, Object, Function

**Key Points:**

typeof "John"                 // Returns "string"  
typeof 3.14                   // Returns "number"  
typeof NaN                    // Returns "number"  
typeof false                  // Returns "boolean"  
typeof [1,2,3,4]              // Returns "object"  
typeof {name:'John', age:34}  // Returns "object"  
typeof new Date()             // Returns "object"  
typeof function () {}         // Returns "function"  
typeof myCar                  // Returns "undefined"  
typeof null                   // Returns "object"

* The data type of NaN is number
* The data type of an array is object
* The data type of a date is object
* The data type of null is object
* The data type of function is function
* The data type of an undefined variable is **undefined** \*
* The data type of a variable that has not been assigned a value is also **undefined**

**Objects And Its Internal Representation in JavaScript**

**Object:** It is one of the most important data types in JavaScript which comes under the composite type.

Object is collection of key-value pair where value can be of any primitive (such as String, Boolean, Number, null, undefined) or Trivial data types(array/object/function).

In general words Object 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.

**For E.g.** If object is a student, it will have properties like name, age, address, id, etc and methods like update\_Address, update\_Nam, etc.

**Creation of Object:**

Object can be created on the below way:

**const Student= {name:'John', age:24, id:12334, update\_Address: function () {}, update\_Name: function(){}};**

Here name,age,id are properties and John,24,12334 are property values.

Here update\_Address, update\_Name are called methods.

**Addition of new property to Object:**

New property can be added to Object at any point of time by the below way:

Student.gender=”Male”;

**Deletion of existing property in Object:**

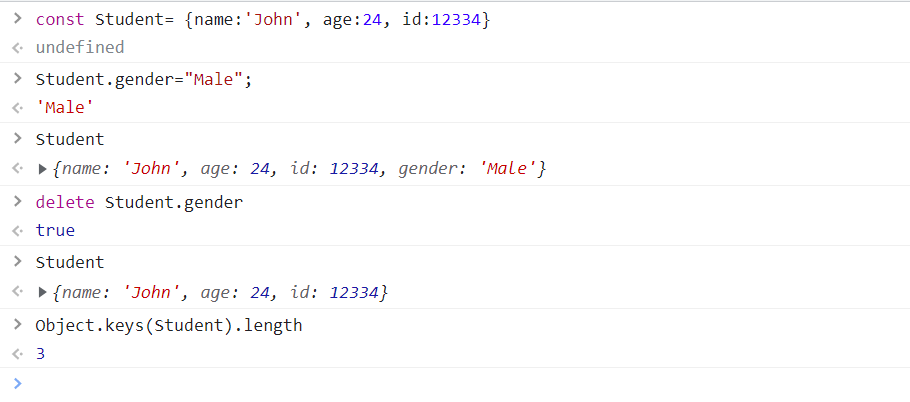
Any property can be deleted for an Object at any point of time by the below way:

delete Student.gender;

**Method to find the length of the Object:**

Length of the object can be found using the below way:

Object.keys(Student).length;

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