**OBJECT AND ITS INTERNAL REPRESENTATION IN JAVASCRIPT**

Objects are the foundation of JavaScript and permeate its every aspect. **Almost**everything in JavaScript is an object. In fact, only **six** things are **not** objects. They are — **null**, **undefined**, **strings**, **numbers**, **boolean**, and **symbols**. These are called primitive values or primitive types.

In JavaScript, almost "everything" is an object.

* Booleans can be objects (if defined with the new keyword)
* Numbers can be objects (if defined with the new keyword)
* Strings can be objects (if defined with the new keyword)
* Dates are always objects
* Maths are always objects
* Regular expressions are always objects
* Arrays are always objects
* Functions are always objects
* Objects are always objects

All JavaScript values, except primitives, are objects.

Creating Object in JavaScript

There are three ways to create objects in JavaScript,

* By object literal.
* By creating instances of Objects directly.
* By using an object constructor.

1) JavaScript Object by an object literal

The syntax of creating an object using object literal is given below:

object={property1:value1,property2:value2.....property:valueN}

As you can see, property and value are separated by : (colon)

Let’s see a simple example of creating an object in JavaScript.

1. **<script>**
2. emp={id:100,name:"Shyam Kumar",salary:80000}
3. document.write(emp.id+" "+emp.name+" "+emp.salary);
4. **</script>**

#### **The output of the above example**

100 Sathish 80000

2) By creating an instance of Object

The syntax for creating an object directly is given below:

Var objectname=new Object();

Here, a **new keyword** is used to create an object.

1. **<script>**
2. var emp=new Object();
3. emp.id=301;
4. emp.name="Jai Subana";
5. emp.salary=32000;
6. document.write(emp.id+" "+emp.name+" "+emp.salary);
7. **</script>**

#### **The output of the above example**

301 Jai Subana 32000

## 3) By using an Object constructor

Here, you need to create a function with arguments. Each argument value can be assigned in the current object by using this keyword.

 This **keyword** refers to the current object.

An example of creating an object by object constructor is given below.

1. **<script>**
2. function emp(id,name,salary){
3. this.id=id;
4. this.name=name;
5. this.salary=salary;
6. }
7. e=new emp(201,"Faiza Afrin",50000);
9. document.write(e.id+" "+e.name+" "+e.salary);
10. **</script>**

**Output of the above example**

201 Faiza Afrin 50000