**Objects in JavaScript language**

We know that JavaScript is an object based or prototype based language. See [Introduction to JavaScript.docx](Introduction%20to%20JavaScript.docx)

**Prototype:**

Prototype is an **object** contains **common functionalities** that a JavaScript object inherits (When a JavaScript object is created; it inherits the common functionalities present inside a prototype object from which it is built) so we can say that **objects** in JavaScript are created with the help of **prototypes**.

**JavaScript objects:**

Any JavaScript object is a **collection of properties** and has a prototype which inherits common functionalities from.

**Property:** it’s a **key: value** pair. **Where**:

* **Key:** is the **name** of the property.
* **Value** is the **value** of this property; this value can be a **data**, an **object** or a **function.**

**Properties classify depending on stored value to 2 types:**

1. **Data property (data attribute):** it’s a property with *data*, or an *object* value.
2. **Function property (behavior or method property):** **):** it’s a property with *function* value.

**Some note on JS objects:**

1. JavaScript object is a collection of properties.
2. Every JavaScript object is associated with a prototype from which it is built (inherit common functionalities).
3. JavaScript objects are dynamic (we can add properties to an object OR delete properties from an object at run -executing- time).
4. JavaScript object is an **associative array** like data structure.

JS objects are classify also to **2** types: [Types of JavaScript objects](Types%20of%20JS%20objects.docx)