**JS Objects**

In JavaScript, objects are king. If you understand objects, you understand JavaScript.

* Boolean 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 expression are always objects
* Arrays are always objects
* Functions are always objects
* Objects are always objects

**JavaScript Object Properties**

Properties are the values associated with a JavaScript object.

A JavaScript object is a collection of unordered properties.

Properties can usually be changed, added, and deleted but some are read only.

**JavaScript for…in Loop**

Syntax:

for (let variable in object) {

*// code to be executed*

}

The block of code inside of the for…in loop will be executed once for each property.

Looping through the properties of an object.

const person = {

fname: “John”,

lname: “Doe”,

age: 25

}

for (let x in person) {

txt += person[x];

}

**Adding New Properties**

We can add new properties to an existing object by simply giving it a value.

Assume that the person object already exists – you can then give it new properties.

const person = {

firstname: “Raj”,

lastname: “Doe”,

age: 50,

eyecolor: “blue”

}

person.nationality = “English”;

document.getElementById(“demo”).innerHTML = person.firstname + “ is ” + person.nationality + “ . ”.