**OBJECTS IN JAVASCRIPT**

Object in javascript is a data type, everything in javascript is consider as a object.

Objects is described as a property with the combination of Key & value.

There are lot of ways to create a object. Particulary object constructor syntax and literal syntax. Since, the easiest method to create an object is literal syntax method.

* Object constructor syntax

Const (obj) = new obj ( )

* Literal syntax

Const (obj) = { }

Let see accessible of object’s literal syntax

An object is consist of property and method,

**Property**: Property is key value pairs and the key is an identifier of the object.

**Method**: A function which is present inside the object is called method

For example:

const person = {

firstName:"james",

lastName:"zones",

age:24,

parent:{

father:"jack",

mother:"Jessy"

},

Name: function( ) {

console.log( this.firstName + " "+ this.lastName )

}

}

To access the object’s properties with the following syntax

person.firstName

* james

person.parent.father

* jack

Inorder to access the method need to specify “( )” as usual to call function

And particulary the syntax “.this” is use to access the key inside the object.

person.Name()

* james zones

n modern javascript we don’t need to specify as

Name: function(){

console.log(this.firstName+" "+this.lastName)

}

Just to denote the method use propery theneven get the same result

Name( ){

console.log(this.firstName+" "+this.lastName)

}

}

To merge the two objects using the syntax

We already have an object “person” and then we introduce the new object as

const newPerson = {

favcolour:"Black",

blood:"B+ve"

}

Let merge the two objects using the syntax

object.assign (person,newPerson)

1. Name: *ƒ ()*
2. age: 24
3. blood: "B+ve"
4. favcolour: "Black"
5. firstName: "james"
6. lastName: "zones"
7. parent: {father: 'jack', mother: 'Jessy'}

**Spread**

This merge action also could be done with another syntax called spread operator.

const spread = {...person, ...newPerson}

console.log(spread)

1. Name: *ƒ ()*
2. age: 24
3. blood: "B+ve"
4. favcolour: "Black"
5. firstName: "james"
6. lastName: "zones"
7. parent: {father: 'jack', mother: 'Jessy'}

This operator copies the object one by one and paste it.

**Delete**

Just to mention the key to delete the property

delete person.parent

* true

person

* 1. **Name**: *ƒ Name()*
  2. **age**: 24
  3. **firstName**: "james"
  4. **lastName**: "zones

**ADD**

To add a new property just to mention the new key and the value

person.married = "single"

* single

person

1. Name: *ƒ Name()*
2. age: 24
3. firstName: "james"
4. lastName: "zones"
5. married: "single"