# Website development

Lecture 9

# Object

**Objects** are also variables. But objects can contain many values.

Unlike an array, values in an object are written as name:value pairs (name and value separated by a colon).


```
const car = {type:"Audi", model:"A8", color:"white"};
```

# Object

We can to refer to Object properties in two ways :

*objectName.propertyName*

*objectName["propertyName"]*

# Object : method

We can also store a function as an object property . These functions are called methods of the object:

```
const person = {
  firstName: "John",
  lastName : "Doe",
  id       : 5566,
  fullName : function() {
    return this.firstName + " " + this.lastName;
  }
};
```

# Object : method

We refer to a method in the following way:

```
objectName.methodName()
```

```
let fullname = person.fullName();
```

# Object : method

In JavaScript, the `this` keyword refers to an object.

`this` is not a variable. `this` is the key word. We cannot change the value of `this` .

```javascript
const person = {
  firstName: "John",
  lastName : "Doe",
  id       : 5566,
  fullName : function() {
    return this.firstName + " " + this.lastName;
  }
};
```

# Thank you for your attention