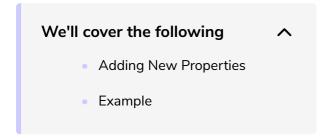
Additions in Constructor Functions

This lesson teaches us how to add new properties to constructor functions.



Adding New Properties

We learned how to add additional properties in objects in the previous chapter. Now, let's see how new properties can be added to *constructor functions*. The method to do so is different from that of object literals.

For *object literals*, we used the following approach to add properties:

However, doing the same when using constructor functions will give undefined as a result:

```
//function constructor called Employee
function Employee(_name, _age, _designation){
this.name = _name
this.age = _age
```

```
this.designation = _designation

//creating an object called employeeObj
var employeeObj = new Employee('Joe', 22, 'Developer')

//adding property using the method used for object literals
Employee.sex = 'male'
//displaying this property for employeeObj
console.log("Sex is:",employeeObj.sex)
```

Creating Object Instances

Example

In order to add properties to constructor functions, the new property needs to be defined inside the constructor function.

Let's take a look at an example demonstrating how to add *new properties* to constructor functions:

```
//function constructor called Employee
function Employee(_name, _age, _designation){
 this.name = _name
 this.age = _age
 this.designation = _designation
 //adding a new property named "company" inside constructor function directly
 //it's not passed as a parameter into the constructor function
 this.company = 'Google' //this will act as a default value for all objects created
}
//creating an object called employeeObj
var employeeObj = new Employee('Joe', 22, 'Developer')
//displaying properties of employeeObj
console.log("Name of employee:",employeeObj.name)
console.log("Age of employee:",employeeObj.age)
console.log("Designation of employee:",employeeObj.designation)
console.log("Employee works in:", employeeObj.company)
```

Creating Object Instances

As shown, a new property, company, is added to the constructor function with its value set to Google.

What about *methods*?

If you recall, there was also a <code>displayName</code> function present in our <code>Employee</code> object literal. So, how are methods defined in *constructor functions*? Let's find out in the next lesson.