

# JavaScript Classes

- description : JavaScript Classes
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- lastupdate : 2021-04-12

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- [JavaScript Classes](#)

ES6          ECMAScript 2015    JavaScript          .

JavaScript          JavaScript          (templates)          .

====JavaScript Class Syntax class          .

constructor()          가          .

```
class ClassName {
  constructor() { ... }
}
```

## example

```
class Car {
  constructor(name, year) {
    this.name = name;
    this.year = year;
  }
}
```

“Car”          .

“ (name)” “ (year)”          가          \_\_\_\_\_(initial properties)          .

JavaScript          가          .

JavaScript          (template)          .

## Using a Class

가

```
<!DOCTYPE html>
<html>
<body>
  <h2>JavaScript Class</h2>
  <p>How to use a JavaScript Class</p>
  <p id="demo"></p>
  <script>
    class Car {
      constructor(name, year) {
        this.name = name;
        this.year = year;
      }
    }
    myCar = new Car("Ford", 2014);
    document.getElementById("demo").innerHTML = "My car is " +
myCar.name + " " + myCar.year;
  </script>
</body>
</html>
```

### Car class

### Car objects

constructor

가가

## The Constructor Method

constructor

- "constructor"
- 가
- (object properties)

constructor

, JavaScript (empty) constructor

가

## Class Methods

class

constructor()

가

가 .

### Syntax

```
class ClassName {
  constructor() { ... }
  method_1() { ... }
  method_2() { ... }
  method_3() { ... }
}
```

Car age "age" .

```
<!DOCTYPE html>
<html>
<body>
  <h2>JavaScript Class Method</h2>
  <p>How to define and use a Class method.</p>
  <p id="demo"></p>
  <script>
    class Car {
      constructor(name, year) {
        this.name = name;
        this.year = year;
      }
      age() {
        let date = new Date();
        return date.getFullYear() - this.year;
      }
    }
    let myCar = new Car("Ssangyong", 2016);
    document.getElementById("demo").innerHTML = "My car is " +
myCar.age() + " years old.";
  </script>
</body>
</html>
```

\_\_\_\_\_ (parameters) .

```
<!DOCTYPE html>
<html>
<body>
```

```
<h2>JavaScript Class Method</h2>
<p>Pass a parameter into the "age()" method.</p>
<p id="demo"></p>
<script>
  class Car {
    constructor(name, year) {
      this.name = name;
      this.year = year;
    }
    age(x) {
      return x - this.year;
    }
  }
  let date = new Date();
  let year = date.getFullYear();
  let myCar = new Car("Ssangyong", 2016);
  document.getElementById("demo").innerHTML = "My car is " +
myCar.age(year) + " years old.";
</script>
</body>
</html>
```

## "use strict"

"strict mode"

"strict mode"

가

"stict mode"

가

```
<!DOCTYPE html>
<html>
<body>
  <h2>JavaScript Clasess are written in "strict mode"</h2>
  <p>In a JavaScript Class you cannot use variable without declaring
it.</p>
  <p id="demo"></p>
  <script>
    class Car {
      constructor(name, year) {
        this.name = name;
        this.year = year;
      }
      age() {
```

```
        // date = new Date(); // This will not work
        let date = new Date(); // This will work
        return date.getFullYear() - this.year;
    }
}
myCar = new Car("Volvo", 2020);
document.getElementById("demo").innerHTML = "My Car is " +
myCar.age() + " years old.";
</script>
</body>
</html>
```


„ JavaScript, class, intro

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Last update: **2023/01/13 18:44**