

| ES6 Classes

ES6

ECMAScript 2015

- It's a standardized specification for JS
- It provides an unified way to write code
- ES6 (ECMAScript 2015) introduced in June 2015
- provides a lot of big changes into JS syntax

ES6

classes

```
class Animal {  
  // object constructor  
  // (executed when new Animal())  
  constructor(sound) {  
    this.sound = sound  
  }  
  // class method  
  makeSound() {  
    console.log(this.sound)  
  }  
}
```

“ Task 0

Create and execute Animal class, use console.log to see effect

ES6

classes

```
class Animal {  
    // object constructor  
    // (executed when new Animal())  
    constructor(sound) {  
        this.sound = sound  
    }  
}
```

“ Task 1

*Create the same Animal class
with ES5 constructor function.*

“ Task 2

*Add method makeSound via
prototype*

ES6

classes

```
class Animal {  
  // object constructor  
  // (executed when new Animal())  
  constructor(sound) {  
    this.sound = sound  
  }  
  
  makeSound() {  
    console.log(this.sound);  
  }  
}
```


ES6

classes

IMPORTANT!

Classes are only syntactic sugar over prototypes and functions!

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classes inheritance

```
class Dog extends Animal {  
  constructor(breed) {  
    // executes Animal's constructor super('woof')  
    // you must do it first  
    super('woof')  
    this.breed = breed  
  }  
}
```

ES5 way -

<https://developer.mozilla.org/en-US/docs/Learn/JavaScript/Objects/Inheritance>

ES6

modules WHY?

We can **import** and **export** modules/variables from and into files and use them!

```
export default yourName
```

```
import yourName from 'moduleName'
```