Classes and Modules

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Introduction

- Class Basics
- Constructors and Properties
- Methods
- Inheritance
- Creating a Module
- Importing Modules

Class Basics

Class

```
class Car {

}

let car = new Car();
```

Constructors and Properties

Constructor

```
class Car {
    constructor(id) {
        this.id = id;
    }
}

let car = new Car(123);
console.log( car.id );  // 123
```

Methods

Methods

```
class Car {
    constructor(id) {
        this.id = id;
    }
    identify() {
        return `Car Id: ${this.id}`;
    }
}

let car = new Car(123);
console.log( car.identify() );  // 123
```

Inheritance

Inheritance

```
class Vehicle {
    constructor() {
        this.type = 'car';
    }
    start() {
        return `Starting: ${this.type}`;
    }
}
```

Inheritance

```
class Car extends Vehicle {

}

let car = new Car();
console.log( car.type );  // car
```

Creating a Module

Importing Modules

Summary

Class Basics

- class ClassName { }

Constructors and Properties

- always use **this** for properties

Methods

Inheritance

- class Car extends Vehicle { }

Creating a Module

- export

Importing Modules

- import