

# Super

introduction to the super keyword and its importance in classes that inherit from a parent class

Calling `super` in a constructor should happen before accessing `this`. As a rule of thumb:

Call `super` as the first thing in a constructor of a class defined with `extends`.

If you fail to call `super`, an error will be thrown. If you don't define a constructor in a class defined with `extends`, one will automatically be created for you, calling `super` with the argument list of the constructor.

```
class A { constructor() { console.log( 'A' ); } }  
class B extends A { constructor() { console.log( 'B' ); } }  
  
new B()  
//outputs B  
//but also gives an uncaught ReferenceError: this is not defined(...)  
  
class C extends A {}  
  
new C()  
//> A  
  
C.constructor  
//> Function() { [native code] }
```



In the next lesson, we will talk about another concept: shadowing.