

3. `this` in classes

3.1 Super Class

In class,

`this` refers to the instance object.

```
1 class Animal {
2   constructor(name) {
3     this.name = name;
4   }
5   eat() {
6     return this;
7   }
8   makeSound() {
9     return `${this.name} is shouting!`;
10  }
11 }
12 let animal1 = new Animal("dog");
13
14 console.log(animal1.eat()); // Animal {...}
```

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Here

`this` refers to the `animal1` .

3.2 Sub Class

```
1 class Animal {
2   constructor(name) {
3     this.name = name;
4   }
5 }
```

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```
5 }  
6  
7 class Dog extends Animal {  
8   constructor(name, breed) {  
9     super(name);  
10    this.breed = breed;  
11  }  
12  sniff() {  
13    return this;  
14  }  
15 }  
16 let dog = new Dog("dog", "german Shepherd");  
17  
18 console.log(dog.sniff()); // Dog {...}
```

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