OOJS - Protótipos e Classes



Protótipos

Todos os objetos Javascript herdam propriedades e métodos de um prototype.

O objeto Object.prototype está no topo desta cadeia.

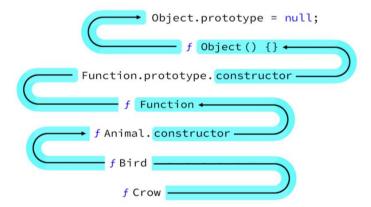
```
> const objeto = {}
undefined
                                                                                                                                                     length: 0

proto_: Array(0)
concat: f concat()
> obieto
                                                                                                                                                       > concat: f concat()
> constructor: f Array()
> constructor: f Array()
> copylithin: f copylithin()
> entries: f entries()
> every: f every()
> fill: f fill()
> fill f fill()
> fill f find()
> flati f find()
> flathap: f floatMap()
> forEach: f forEach()
> includes: f includes()
> includes: f includes()
> join: f join()
▼__proto__:
    ▶ constructor: f Object()
             ▶ hasOwnProperty: f hasOwnProperty()
             ▶ isPrototypeOf: f isPrototypeOf()
             ▶ propertyIsEnumerable: f propertyIsEnumerable()
             ▶ toLocaleString: f toLocaleString()
             ▶ toString: f toString()
             ▶ valueOf: f valueOf()
            b_defineGetter_: f _ defineGetter_()
b_defineSetter_: f _ defineSetter_()
b_lookupGetter_: f _ LookupGetter_()
b_lookupSetter_: f _ LookupSetter_()
b_get _ proto_: f _ proto_()
                                                                                                                                                        ▶ join: f join()
▶ keys: f keys()
▶ lastIndexOf: f LastIndexOf()
length: 0
             ▶ set __proto__: f __proto__()
```



Protótipos

Cadeia de protótipos (prototype chain)





Classes

Syntatic sugar: uma sintaxe feita para facilitar a escrita

```
var Meal = function(food) {
  this.food = food
}

Meal.prototype.eat = function() {
  return '@'
}

Samantha_ming samanthaming.com @ samanthaming

class Meal {
  constructor (food) {
    this.food = food
  }

eat() {
    return '@'
  }
}
```



Classes

Javascript não possui classes nativamente. Todas as classes são objetos e a herança se dá por protótipos.