

JavaScript Object

Layout

jeff



```
function A{
```

Function

Object

```
f=new Function{...}
```

Array

RegExp

```
a=new A()
```

```
[] }
```

What the relation between them?



```
function A(){
```

```
A.prototype = {hobby: 'eating'}
```

```
var a = new A()
```



What happened?



# How to analyse an object



It is a story  
between **3** men

prototype

new

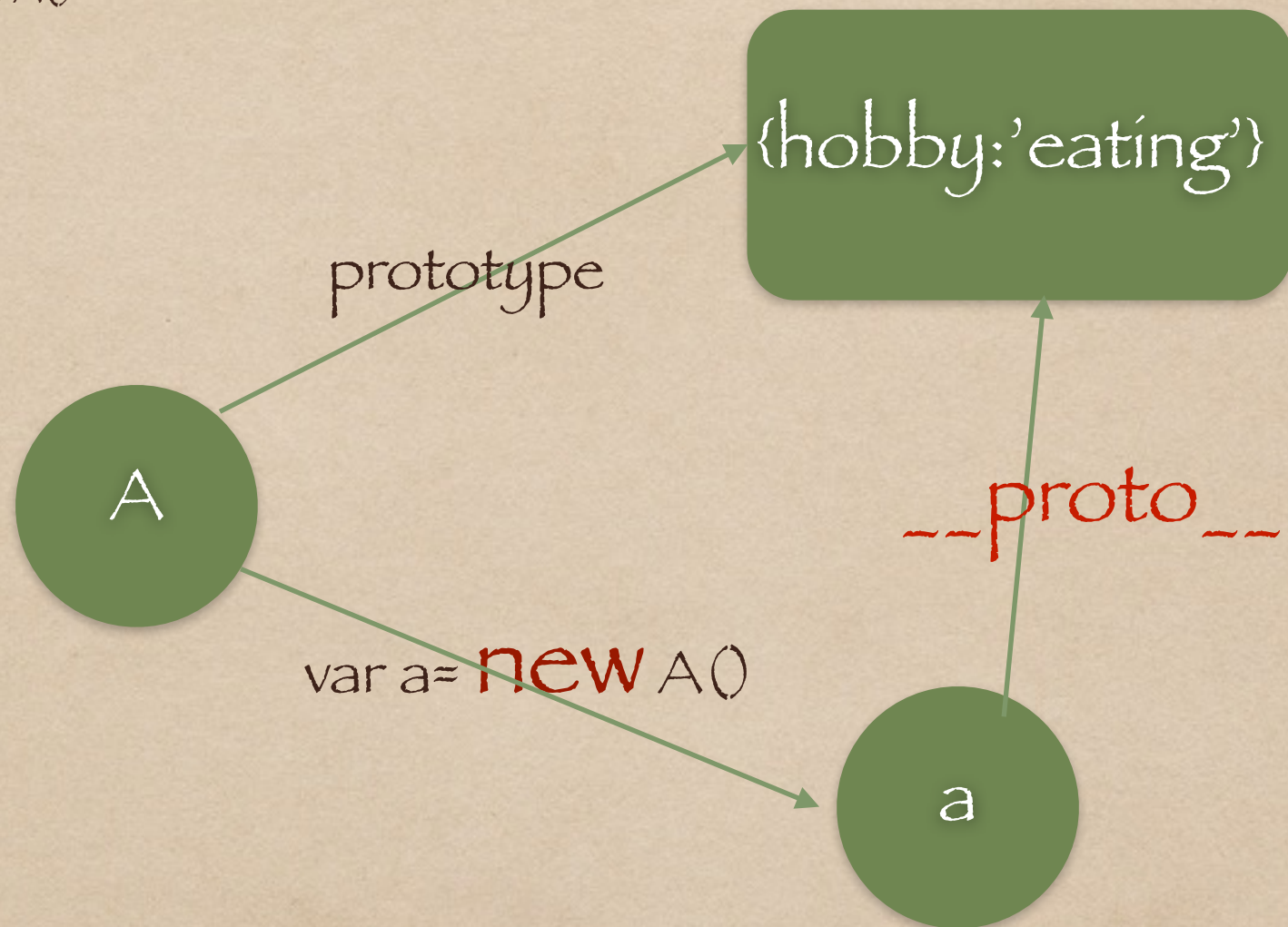
--proto--



```
function A(){
```

```
  A.prototype = {hobby: 'eating'}
```

```
  var a = new A()
```



```
a.hobby === A.prototype.hobby
```

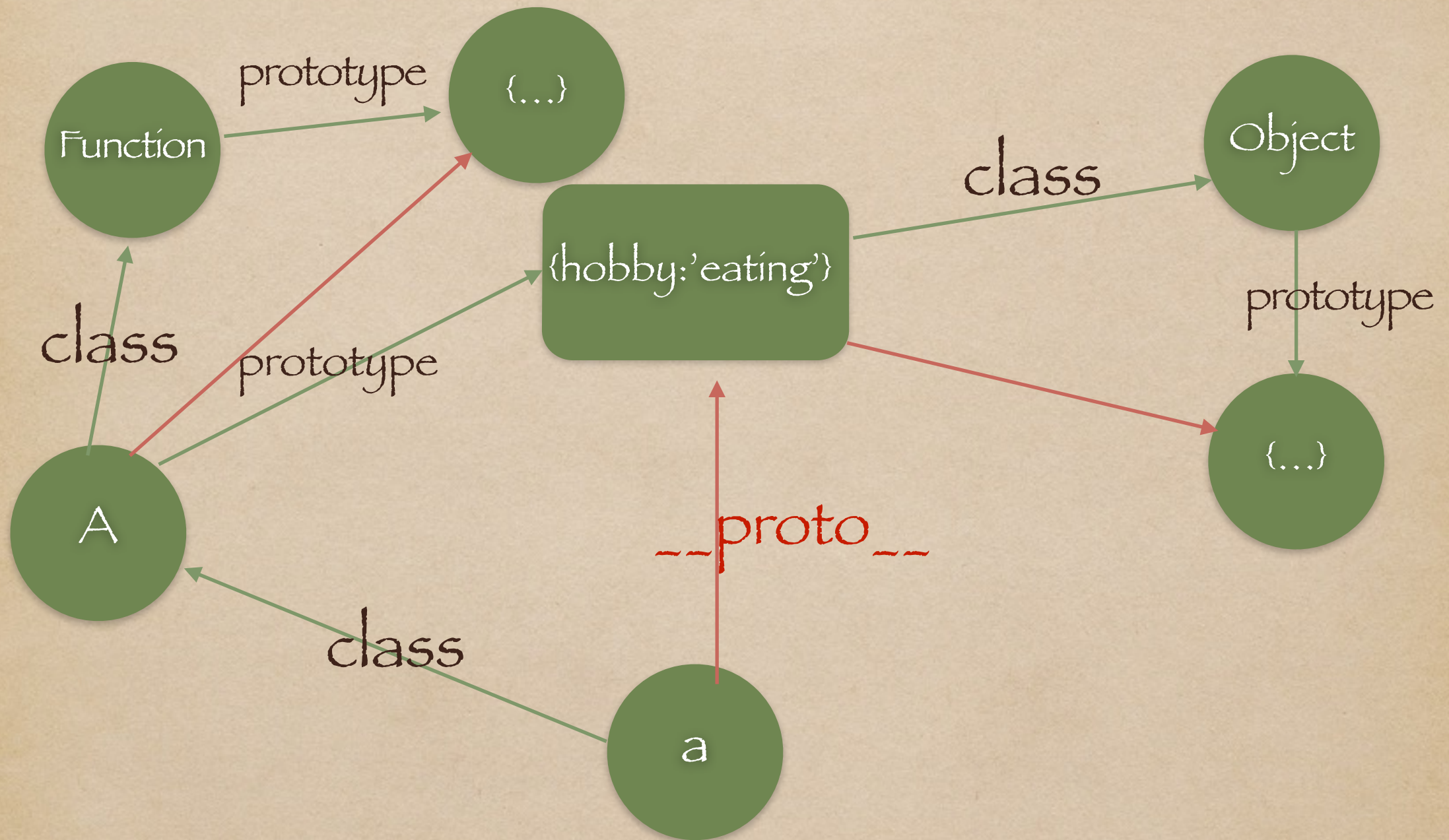


# Steps

- ◆ 1. which entity is the **class** of it?
- ◆ 2. which entity is the **prototype** of the class

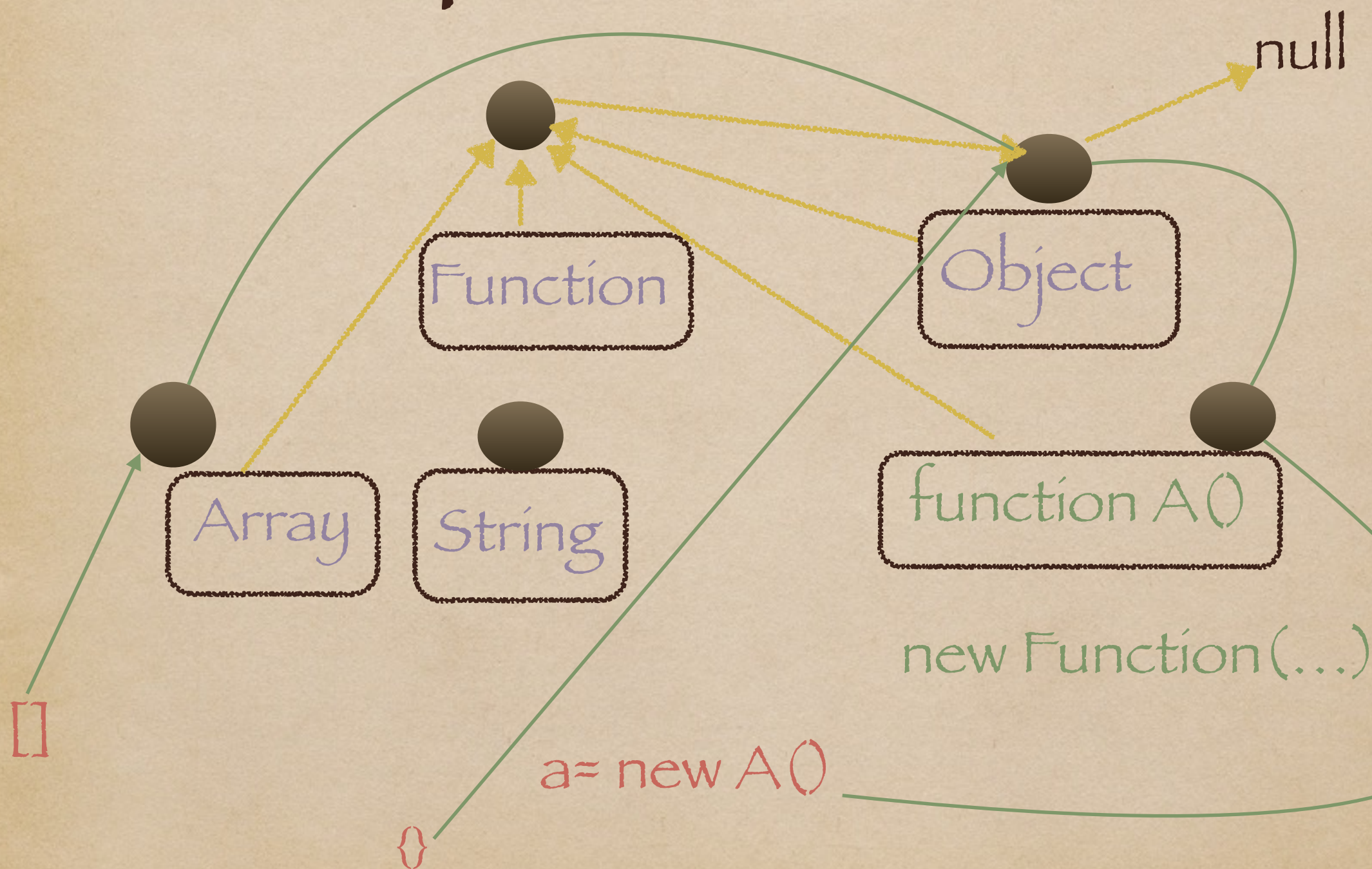


var a = **new** A()





# \_\_proto\_\_ chain





# Interesting Tips

- ◆ Function is the top class. It is the class of any function include itself and Object
- ◆ Object.prototype is at the top of `__proto__` chain
- ◆ Function is instance of Object && Object is instance of Function && Function is instance of Function&& Object is instance of Object



# Useful links

- ◆ <http://www.molypages.org/misc/js.mp>
- ◆ <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Operators/instanceof>



Thanks