

**this is tricky in JS**

# *function* is an object which can be evoked

```
> var a = [  
    function () { console.log('foo'); },  
    function () { console.log('bar'); }  
];
```

```
> a[0]()  
foo
```

```
> a[1].call()  
bar
```

```
> a[0].apply()  
foo
```

```
> a.forEach(function (e) { e(); });  
foo bar
```

# this is defined at runtime ...

```
> var printThis = function () { console.log(this); };
```

```
> printThis()  
global
```

```
> var obj = { printMe: printThis };
```

```
> obj.printMe()  
{ printMe: [Function] }
```

## ... and **this** can be overwritten

```
1:  function once (fn) {  
2:      var executed = false;  
3:  
4:      return function () {  
5:          return executed ? undefined :  
6:              ((executed = true), fn.apply(this, arguments));  
7:      };  
8:  }
```

```
> var doOnce = once(function () { console.log(this); });
```

```
> doOnce(); doOnce();  
global  
undefined
```