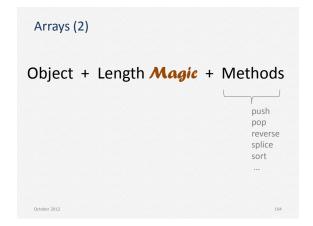
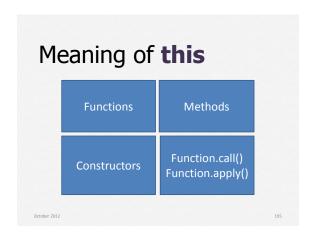
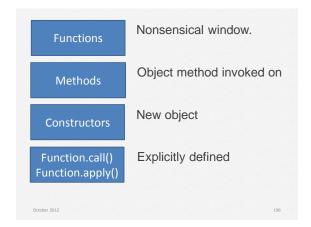




Arrays
Object
Indices vs. properties
Length property "Magic"







## Homework

### Assignment 2: Event Handling

- · Should be submitted to Moodle
- · Will be graded by Sunday

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### Assignment 3

- Posting tomorrow night
- · Forum notice if delayed
- · Fun with Ajax

October 2012

• Webserver accounts from D.A.

October 2012

### closures

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```
Function + Scope = Closure
```

```
// creates new functions on the fly and returns them
function closureMaker( x ) {
    var y = x * 2;
    return function() { return y };
}

// make an instance of our function
var myclosure = closureMaker(7);

// returns 14... But var y is no longer visible!
myclosure();
```

### Closures: Big Idea

 Functions hold on to scope from when they were defined, not when they're invoked

```
function outerFunc() {
    var myArr = [100,200,300];
    return function() {
        return myArr[1]++;
        };
    };
}
outerFunc()();
```



### Privates: why care? Encapsulation Program to interfaces, not implementations

### Closures and privates var Student = function() { var ourGrade = 100; this.getGrade = function() { return ourGrade; }; this.setGrade = function( val ) { ourGrade = val; }; }; var niek = new Student(); var theo = new Student(); theo.setGrade( 75 ); niek.getGrade(); theo.getGrade();

```
< Closure Privates Demo >
```

```
< Closures and this Demo >
```



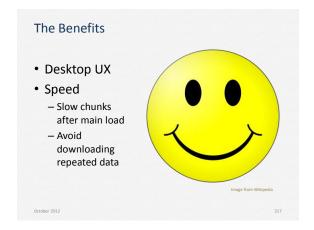
















# HTTP Requests: Traditional window.location form submit Require us to leave page...



