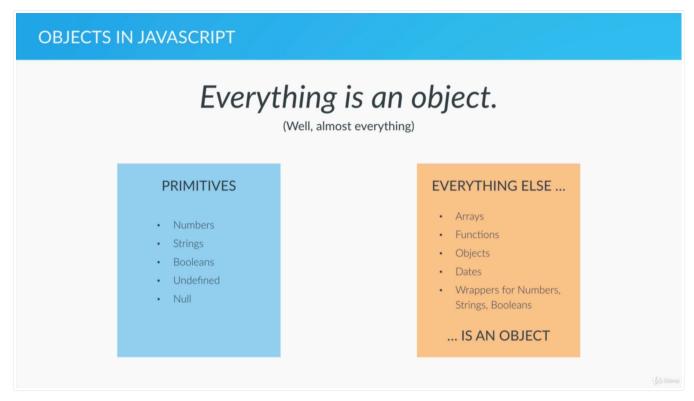
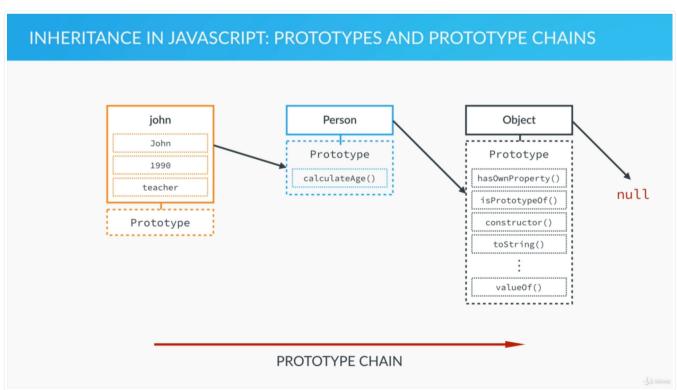
## Object Inheritance & Prototype Chain

Open obj.js for a thorough explanation in the form of comments.





```
Elements
                    Console
                              Sources
                                     Network
                          ▼ ⊙ Filter
                                                Default levels ▼
  Console was cleared
                                                       VM2635:1

    undefined

> john;

▼ Person {name: "John", yearOfBirth: 1990, job: "teacher"} 

     job: "teacher"
     name: "John"
     yearOfBirth: 1990
    ▼ __proto__:
     ▶ calculateAge: f ()
      lastName: "Smith"
     ▶ constructor: f (name, yearOfBirth, job)
     ▼__proto__:
       ▶ constructor: f Object()
       ▶ hasOwnProperty: f hasOwnProperty()
       ▶ isPrototypeOf: f isPrototypeOf()
       ▶ propertyIsEnumerable: f propertyIsEnumerable()
       ▶ toLocaleString: f toLocaleString()
       ▶ toString: f toString()
       ▶ valueOf: f valueOf()
       ▶ __defineGetter__: f __defineGetter__()
       __defineSetter__: f __defineSetter__()
       __lookupGetter__: f __lookupGetter__()
       __lookupSetter__: f __lookupSetter__()
       ▶ get __proto__: f __proto__()
       ▶ set __proto__: f __proto__()
> Person.prototype;
▶ calculateAge: f ()
     lastName: "Smith"

ightharpoonup constructor: f (name, yearOfBirth, job)
    ▶ __proto__: Object
> john.__proto__ === Person.prototype;
true
> john.__proto__._proto__ === Object.prototype;
true
> john.hasOwnProperty("job");
> john.hasOwnProperty("lastName");
false
> john instanceof Person;
true
> john instanceof Object;
true
>
```

```
Elements Console Sources >> X

    top
    top

                       ▼ O Filter Default levels ▼ 🌣
 Console was cleared
                                             VM4725:1
undefined
x = [2,4,6];
(∗ ) (3) [2, 4, 6]
> console.info(x);
  ▼(3) [2, 4, 6] [1
                                             VM4804:1
    0: 2
    1: 4
    2: 6
    length: 3
   ▶ __proto__: Array(0)
undefined
> x.length;
<· 3
> x.__proto__ === Array.prototype;
> x.__proto__.__proto__ === Object.prototype;
true
>
```

Check the developer console for the log (Only for .html version)

Images are taken from: JS Course by Jonas Schmedtmann