

node Basics



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Class Overview

Data Types

Syntax Basics

NodeSchool



Number

Number Examples



5

6567

34.56

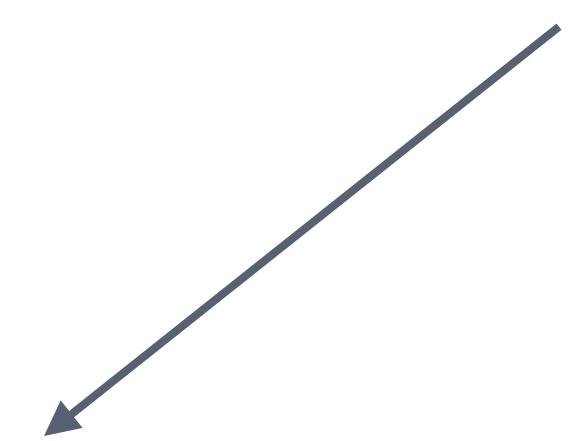
Parsing Numbers

`parseInt('56');`

`parseFloat('6.7');`

`Number('67.89');`

Not a Number



NaN

Boolean

Boolean Examples

true

false

Boolean(0)



String

String Examples



‘Unicorn’
“Creamsicle”

Object Examples

{ prop: 1 }

new Object()



Function

Function Examples



```
function (y) {  
    return y;  
}
```

`typeof 65`

‘number’

`typeof true`

‘boolean’

`typeof { prop: 1 }`

‘object’

`typeof ‘lol’`

‘string’

`typeof function () {}`

‘function’

Undefined

The state of a JavaScript variable that has not yet been assigned a value.

```
var x;
```

```
// x is undefined
```

```
x = 2;
```

```
// x is equal to 2
```

```
function myFunc(someVar) {  
    console.log(someVar);  
}
```

```
myFunc();
```

```
// output is ‘undefined’  
// because the value of someVar is undefined
```

What about Arrays?

`typeof [1, 2, 3]`

‘object’

Type Coercion



number + number

number + boolean

boolean + boolean

everything else

number

number

number

string

Syntax Blitz

Declare a variable

```
var marmaduke;
```

Assign to a variable

```
marmaduke = 'Dog';
```

Add and Assign

```
marmaduke += ' Celebrity'
```

Check Equality (with coercion)

```
'90210' == 90210; // true
```

Check Equality & Type

```
'90210' === 90210; // false
```

Declare and Assign a function

```
var myFunc = function (x, y) {};
```

Pass Arguments to a function

```
myFunc(3, 7);
```

Declare and Assign a function

```
function myFunc (x, y) {};
```

for Loop

```
for (var i = 0; i < 10; i++) {  
    // do i thang  
}
```

forEach Loop

```
var arr = [1, 2, 3],  
    sum = 0;
```

```
arr.forEach(function (val) {  
    sum += val;  
});
```

for...in Loop

```
var arr = [1, 2, 3],  
    sum = 0;  
  
for (ix in arr) {  
    sum += arr[ix]  
}
```

while Loop

```
var i = 10;  
  
while (i > 0) {  
    i++;  
}
```

Command Line Arguments

```
// stored in the process.argv Array
```

```
// if you execute this command:
```

```
$ node index.js 4 "some word" myLeftFoot
```

```
// your process.argv in the application would be:
```

```
['node', 'index.js', '4', 'some word', 'myLeftFoot']
```

```
// access the first argument to your app with  
process.argv[2]; // '4'
```



<http://nodeschool.io>

```
npm install -g learnyounode
```

OS X might need to add sudo