

2022\_02\_22

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## 1 2022-02-22

### 1.0.1 Corso ITS

### 1.1 Magento & e-commerce software

### 1.2 ### JavaScript (Andrea Ribuoli)

#### 1.2.1 Chiamata indiretta: call()

```
function dist() { return Math.sqrt(this.x**2 + this.y**2) }
```

```
point = { x: 5, y: 12 }
```

```
point.met = dist  
console.log(point.met())  
delete point.met
```

```
[61]: !node indcall.js
```

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```
function dist() { return Math.sqrt(this.x**2 + this.y**2) }
```

```
point = { x: 3, y: 4 }
```

```
console.log(dist.call(point))
```

```
[62]: !node indcall2.js
```

5

13

### 1.3 Il costruttore Function() – vedi pagina 204

```
const f = new Function("x", "y", "return x + y")  
f(2,3) // restituisce 5
```

```
const g = new Function("return 9.8")  
g() // restituisce 9.8
```

```
function dist() { return Math.sqrt(this.x**2 + this.y**2) }

console.log(dist.toString())
```

```
[63]: !node source.js
```

```
function dist() { return Math.sqrt(this.x**2 + this.y**2) }
```

## 1.4 Attraversamento DOM ignorando i nodi Text

```
const jsdom = require("jsdom")
const { JSDOM } = jsdom
const dom = new JSDOM(`
```

```
console.log(dom.serialize())
```

```
[64]: !node dom1.js
```

```
<html><head></head><body></body></html>
```

```
const jsdom = require("jsdom")
const { JSDOM } = jsdom
const dom = new JSDOM(`\
<!DOCTYPE html>\
<html>\
<head>\
</head>\
<body>\
</body>\
</html>\
`)
```

```
console.log(dom.serialize())
```

```
[69]: !node dom2.js
```

```
<!DOCTYPE html><html><head></head><body></body></html>
```

```
const jsdom = require("jsdom")
const { JSDOM } = jsdom
const dom = new JSDOM(`\
<!DOCTYPE html>\
<html>\
<head>\
</head>\
<body>\
<p id="first">Prova</p>\
</body>\
</html>\
`)
```

```
console.log(dom.window.document.querySelector("#first").innerHTML)
```

[70]: !node dom3.js

```
<!DOCTYPE html><html><head>
</head>
<body>
<p id="first">Prova</p>
```

```
</body></html>
```

Prova

```
const { JSDOM } = require("jsdom")
function controlla(dom) { console.log(dom.window.document.querySelector("#first").innerHTML) }
JSDOM.fromFile('my.html').then(controlla)
```

[92]: !node dom4.js

Questo esce subito

Prova

[93]: !node dom.js

```
[object HTMLBodyElement]
[object HTMLParagraphElement]
[object HTMLParagraphElement]
[object HTMLParagraphElement]
[object HTMLParagraphElement]
[object HTMLUListElement]
[object HTMLLIElement]
[object HTMLLIElement]
[object HTMLLIElement]
```

[96]: !node dom.js

```
0[object HTMLBodyElement]
1[object HTMLParagraphElement]
1[object HTMLParagraphElement]
1[object HTMLParagraphElement]
1[object HTMLParagraphElement]
1[object HTMLUListElement]
2[object HTMLLIElement]
2[object HTMLLIElement]
2[object HTMLLIElement]
```

## 1.5 Trasformare il JavaScript che usa JSDOM per uso nel browser

- 1.6 Elaborare il valore `level` affinché controlli l'indenting nella stampa (`console.log`)
- 1.7 Immaginare alcuni abbellimenti prendendo spunto dall'output del comando `tree`