



# Getters y setters

**Introducción a JavaScript**  
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# OBJETIVO





Aprender cómo y cuándo utilizar los getters y setters en **JS**.

Utilizarlos para realizar procesos de forma adecuada en el código.

# ÍNDICE

- **Getters y setters**..... pág. 5
- **Práctica** ..... pág. 11
- **Referencias** ..... pág. 12

```
1
2  const auto = {
3    name: "Chevrolet Aveo",
4    version: "LS TM",
5    year: 2022,
6    fuel: "gasoline",
7    horsepower: "107 HP",
8    price: 249900,
9
10   get obtainNewPrice() {
11     let newPrice = this.price - (this.price * 0.1);
12     return newPrice;
13   }
14 }
15
16 console.log(auto.obtainNewPrice);
```

224910

Hint: hit control+c anytime to enter REPL.

>

```
18
19 function Car() {
20   this.name = "Chevrolet Aveo";
21   this.version = "LS TM";
22   this.year = 2022;
23   this.fuel = "gasoline";
24   this.horsepower = "107 HP";
25   this.price = 249900;
26
27   Object.defineProperty(this, "obtainNewPrice", {
28     get() {
29       let newPrice = this.price - (this.price * 0.1);
30       return newPrice;
31     }
32   });
33 }
34
35 let car = new Car();
36
37 console.log(car.obtainNewPrice);
38
39
```

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Hint: hit control+c anytime to enter REPL.

>

```
1
2  const auto = {
3    name: "Chevrolet Aveo",
4    version: "LS TM",
5    year: 2022,
6    fuel: "gasoline",
7    horsepower: "107 HP",
8    price: 249900,
9
10   get obtainNewPrice() {
11     let newPrice = this.price - (this.price * 0.1);
12     return newPrice;
13   },
14
15   set setNewHorsePower(hp) {
16     this.horsePower = hp;
17   }
18 }
19
20 //console.log(auto.obtainNewPrice);
21
22 auto.setNewHorsePower = "110 HP";
23
24 console.log(auto.horsePower);
```

110 HP

Hint: hit control+c anytime to enter REPL.

>

```
25
26 function Car() {
27   this.name = "Chevrolet Aveo";
28   this.version = "LS TM";
29   this.year = 2022;
30   this.fuel = "gasoline";
31   this.horsePower = "107 HP";
32   this.price = 249900;
33
34   Object.defineProperty(this, "obtainNewPrice", {
35     get() {
36       let newPrice = this.price - (this.price * 0.1);
37       return newPrice;
38     }
39   });
40
41   Object.defineProperty(this, "setNewHorsePower", {
42     set(hp) {
43       this.horsePower = hp;
44     }
45   });
46 }
47
48 let car = new Car();
49
50 //console.log(car.obtainNewPrice);
51
52 car.setNewHorsePower = "110 HP";
53
54 console.log(car.horsePower);
```

110 HP

Hint: hit control+c anytime to enter REPL.

>



Tiempo de  
practicar



# Referencias

- JavaScript Getter and Setter (with Examples). (n.d.). Programiz. Retrieved January 19, 2022, from <https://www.programiz.com/javascript/getter-setter>
- JavaScript Property Getters and Setters. (n.d.). W3docs. Retrieved January 19, 2022, from <https://www.w3docs.com/learn-javascript/property-getters-and-setters.html>
- Daza, Y. (n.d.). Entendiendo Getters y Setters en JavaScript. Yeison Daza. Retrieved January 19, 2022, from <https://yeisondaza.com/entendiendo-getters-y-setters-en-javascript>