



# GETTERS AND SETTERS

# Objectives

- Define the two types of properties.
- Explain what a getter and a setter are.
  - Implement a getter and a setter.
- Explain good reasons for using getters and setters.

# TYPES OF PROPERTIES

DATA PROPERTIES

# ACCESSOR PROPERTIES

Accessor properties don't contain a value but instead define a function to call when the property is read (called a getter) and a function to call when the property is written to (called a setter).

# This example adds logging behavior to the property.

```
var person1 = {  
  _name: "Mat",  
  get name() {  
    console.log("Reading name");  
    return this._name;  
  },  
  set name(value) {  
    console.log("Setting name to %s", value);  
    this._name = value;  
  }  
};
```

Accessor properties only require either a getter or a setter, but they can have both.



Accessor properties are most useful when you want the assignment of a value to trigger some sort of behavior, or when reading a value requires the calculation of the desired return value.

QUESTIONS?