

# JavaScript Display Objects

[< Previous](#)[Next >](#)

## How to Display JavaScript Objects?

Displaying a JavaScript object will output **[object Object]**.

### Example

```
// Create an Object
const person = {
  name: "John",
  age: 30,
  city: "New York"
};

document.getElementById("demo").innerHTML = person;
```

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Some solutions to display JavaScript objects are:

- Displaying the Object Properties by name
- Displaying the Object Properties in a Loop
- Displaying the Object using `Object.values()`
- Displaying the Object using `JSON.stringify()`

## Example

```
// Create an Object
const person = {
  name: "John",
  age: 30,
  city: "New York"
};

// Display Properties
document.getElementById("demo").innerHTML =
person.name + "," + person.age + "," + person.city;
```

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## Displaying Properties in a Loop

The properties of an object can be collected in a loop:

## Example

```
// Create an Object
const person = {
  name: "John",
  age: 30,
  city: "New York"
};

// Build a Text
let text = "";
for (let x in person) {
  text += person[x] + " ";
};
```

## Note:

You must use **person[x]** in the loop.

**person.x** will not work (Because **x** is the loop variable).

## Using Object.values()

**Object.values()** creates an array from the property values:

```
// Create an Object
const person = {
  name: "John",
  age: 30,
  city: "New York"
};

// Create an Array
const myArray = Object.values(person);
```

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## Using Object.entries()

`Object.entries()` makes it simple to use objects in loops:

### Example

```
const fruits = {Bananas:300, Oranges:200, Apples:500};

let text = "";
for (let [fruit, value] of Object.entries(fruits)) {
  text += fruit + ": " + value + "<br>";
}
```

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## Using JSON.stringify()

JavaScript objects can be converted to a string with JSON method

`JSON.stringify()` .

`JSON.stringify()` is included in JavaScript and supported in all major browsers.

### Note:

The result will be a string written in JSON notation:

```
{"name":"John","age":50,"city":"New York"}
```

```
// Create an object
const person = {
  name: "John",
  age: 30,
  city: "New York"
};

// Stringify Object
let myString = JSON.stringify(person);

// Display String
document.getElementById("demo").innerHTML = myString;
```

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## Complete Object Reference

For a complete reference, go to our:

[Complete JavaScript Object Reference](#).

The reference contains descriptions and examples of all Object Properties and Methods.

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## Exercise <sup>?</sup>

Only one of the following methods are a built-in JavaScript Object method, which one?

- ☐ return()
- ☐ all()

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