Contents

Objects:

Creating a JavaScript Object

With JavaScript, you can define and create your own objects.

There are different ways to create new objects:

- Create a single object, using an object literal.
- Create a single object, with the keyword `new`.
- Define an object constructor, and then create objects of the constructed type.
- Create an object using `Object.create()`.

Using an Object Literal

This is the easiest way to create a JavaScript Object.

Using an object literal, you both define and create an object in one statement.

An object literal is a list of name:value pairs (like age:50) inside curly braces `{}`.

The following example creates a new JavaScript object with four properties:

```
const person = {firstName:"John", lastName:"Doe", age:50,
eyeColor:"blue"};
```

Spaces and line breaks are not important. An object definition can span multiple lines:

```
const person = {
  firstName: "John",
  lastName: "Doe",
  age: 50,
  eyeColor: "blue"
};
```

This example creates an empty JavaScript object, and then adds 4 properties:

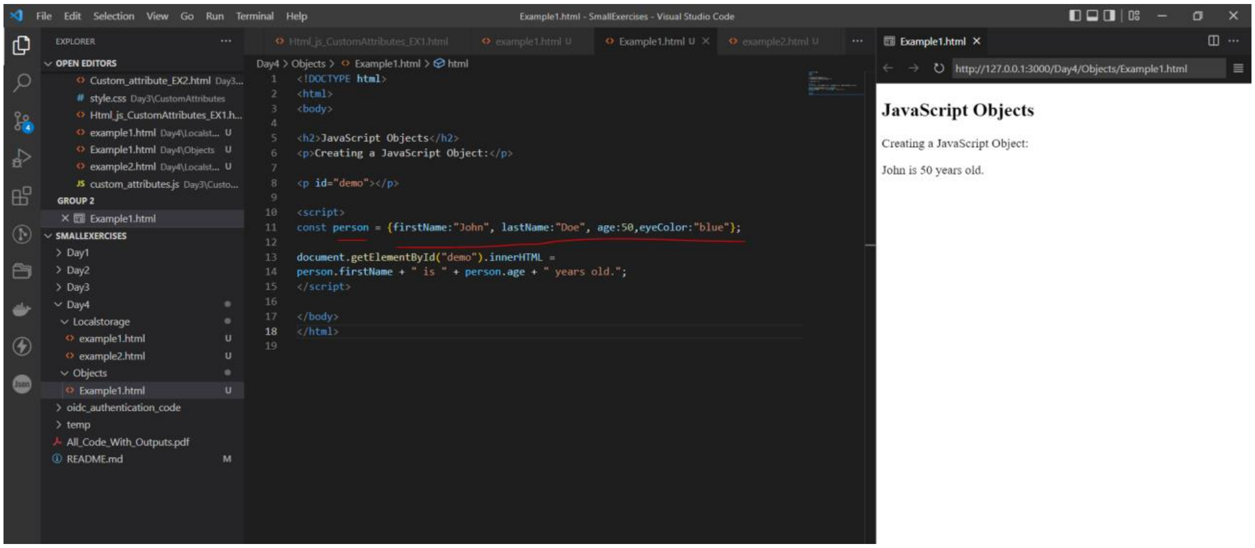
```
const person = {};
person.firstName = "John";
person.lastName = "Doe";
person.age = 50;
person.eyeColor = "blue";
```

Using the JavaScript Keyword new

The following example create a new JavaScript object using `new Object()`, and then adds 4 properties:

```
const person = new Object();
person.firstName = "John";
person.lastName = "Doe";
person.age = 50;
person.eyeColor = "blue";
```

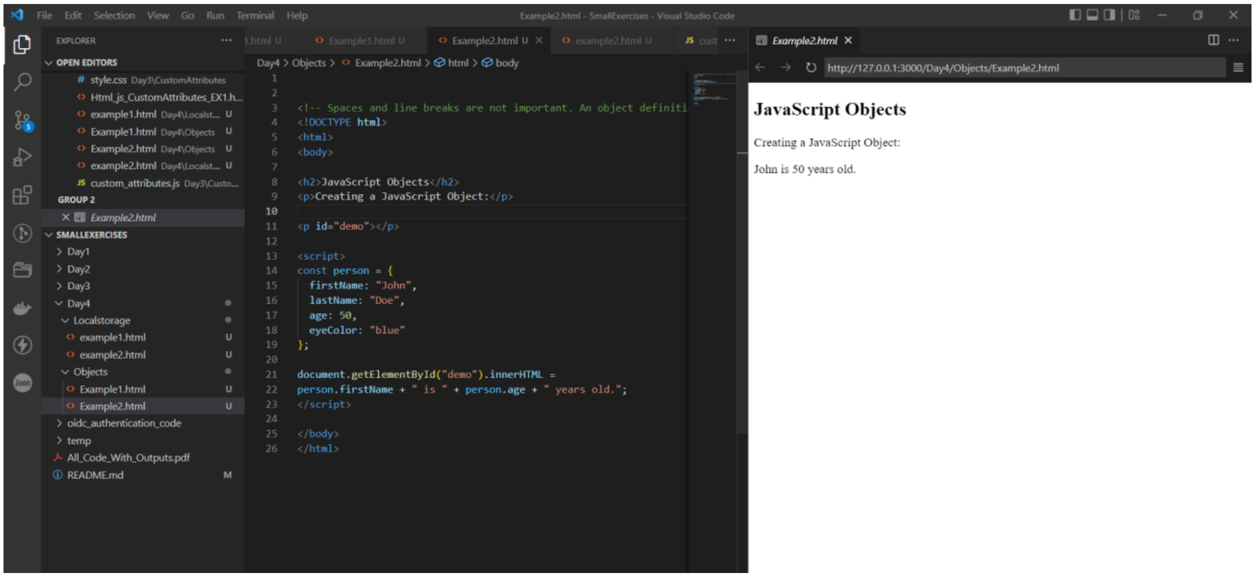
Example1:


File Edit Selection View Go Run Terminal Help
Example1.html - SmallExercises - Visual Studio Code
EXPLORER
OPEN EDITORS
GROUP 2
SMALLEXERCISES
Day1
Day2
Day3
Day4
Localstorage
example1.html
example2.html
Objects
Example1.html
oidc_authentication_code
temp
All_Code_With_Outputs.pdf
README.md
Day4 > Objects > Example1.html > html
http://127.0.0.1:3000/Day4/Objects/Example1.html

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Objects</h2>
<p>Creating a JavaScript Object:</p>

<p id="demo"></p>

<script>
const person = {firstName:"John", lastName:"Doe", age:50,eyeColor:"blue"};

document.getElementById("demo").innerHTML =
person.firstName + " is " + person.age + " years old.";
</script>

</body>
</html>
```

```
JavaScript Objects

Creating a JavaScript Object:

John is 50 years old.
```

Example2:


Example2.html - SmallExercises - Visual Studio Code
File Edit Selection View Go Run Terminal Help
Day4 > Objects > Example2.html > html > body
http://127.0.0.1:3000/Day4/Objects/Example2.html

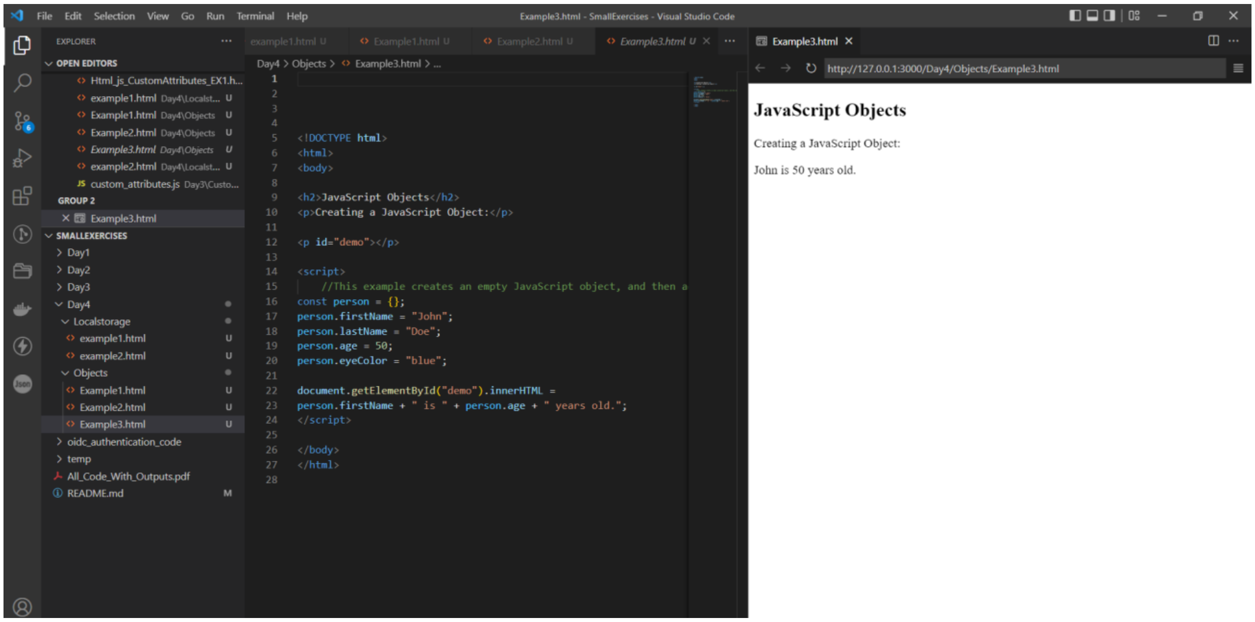
```html


<!-- Spaces and line breaks are not important. An object definiti
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Objects</h2>
<p>Creating a JavaScript Object:</p>

<p id="demo"></p>

<script>
const person = {
  firstName: "John",
  lastName: "Doe",
  age: 50,
  eyeColor: "blue"
};

document.getElementById("demo").innerHTML =
person.firstName + " is " + person.age + " years old.";
</script>

</body>
</html>
```

JavaScript Objects

Creating a JavaScript Object:

John is 50 years old.

Example3:


Example3.html - SmallExercises - Visual Studio Code
File Edit Selection View Go Run Terminal Help
Day4 > Objects > Example3.html > ...
http://127.0.0.1:3000/Day4/Objects/Example3.html

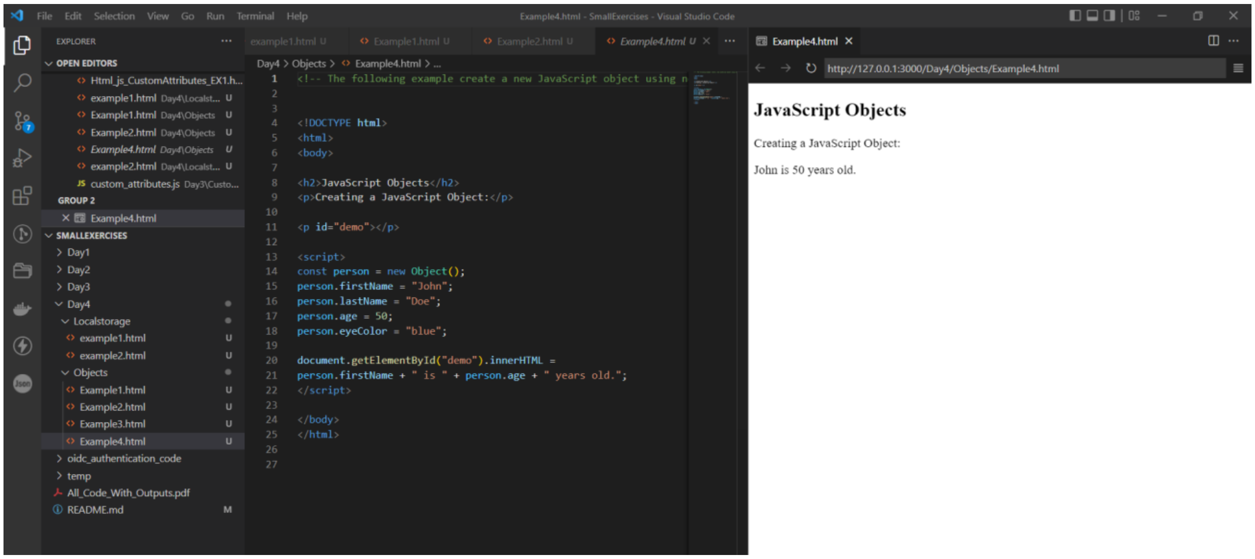
```html




<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Objects</h2>
<p>Creating a JavaScript Object:</p>

<p id="demo"></p>

<script>
    //This example creates an empty JavaScript object, and then a
const person = {};
person.firstName = "John";
person.lastName = "Doe";
person.age = 50;
person.eyeColor = "blue";

document.getElementById("demo").innerHTML =
person.firstName + " is " + person.age + " years old.";
</script>

</body>
</html>

```

JavaScript Objects

Creating a JavaScript Object:

John is 50 years old.

Example4:


File
Edit
Selection
View
Go
Run
Terminal
Help
Example4.html - SmallExercises - Visual Studio Code
EXPLORER
OPEN EDITORS
Html_js_CustomAttributes_EX1.h...
example1.html Day4\Localst... U
Example1.html Day4\Objects U
Example2.html Day4\Objects U
Example4.html Day4\Objects U
example2.html Day4\Localst... U
custom_attributes.js Day3\Custo...
GROUP 2
Example4.html
SMALLEXERCISES
Day1
Day2
Day3
Day4
Localstorage
example1.html U
example2.html U
Objects
Example1.html U
Example2.html U
Example3.html U
Example4.html U
oidc_authentication_code
temp
All_Code_With_Outputs.pdf
README.md M
example1.html U
Example1.html U
Example2.html U
Example4.html U
Day4 > Objects > Example4.html > ...
Example4.html
http://127.0.0.1:3000/Day4/Objects/Example4.html

```html
<!-- The following example create a new JavaScript object using n


<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Objects</h2>
<p>Creating a JavaScript Object:</p>

<p id="demo"></p>

<script>
const person = new Object();
person.firstName = "John";
person.lastName = "Doe";
person.age = 50;
person.eyeColor = "blue";

document.getElementById("demo").innerHTML =
person.firstName + " is " + person.age + " years old.";
</script>

</body>
</html>
```

JavaScript Objects

Creating a JavaScript Object:

John is 50 years old.