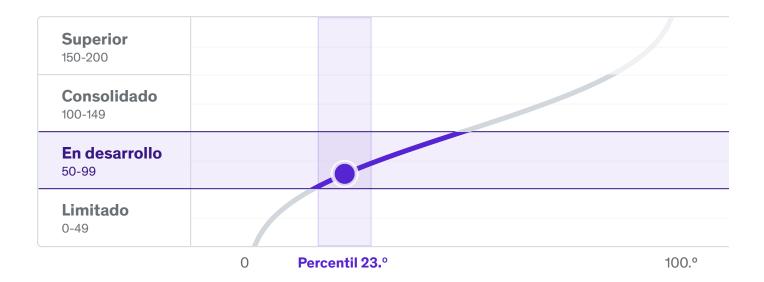
JavaScript Fundamentals

JavaScript Fundamentals

? 32 preguntas

Tu puntuación: 63

¿Qué significan estas cifras?





Tu rendimiento ha sido mejor que el del **23 %** de los estudiantes de Udemy que han completado esta evaluación.

Tus respuestas

Revisa tus respuestas. Aprende de las explicaciones que encontrarás en las opciones de respuesta correcta e incorrecta.

Todas las respuestas

~

16 respuesta correcta

16 respuesta incorrecta

O respuesta saltada

× Pregunta 1 Incorrecto



Given the following variable declarations, which of the conditions will evaluate to true?

$$a = 3;$$

 $b = 0$

Has seleccionado Respuesta 2 Incorrecto

```
!((a > 0 \&\& b < 0) || b == 0)
```

Explicación de la respuesta: This statement is false because a is greater than 0 and b is greater than 0 and the not operator negates that.

Respuesta 3 Correcto

```
(!(a > 0 \&\& b > 0) || b == 3)
```

Explicación de la respuesta: The statement is true because b is NOT greater than 0 and the not operator negates that.



× Pregunta 2 Incorrecto



Which line of code correctly passes the "sayHello" function as an argument to another function?

```
function sayHello( ) {
  console.log("Hello World!");
}
```

Respuesta 3 Correcto

```
setTimeout(sayHello, 3000);
```

Explicación de la respuesta: In the setTimout function call the sayHello function is being passed into the first parameter.

Has seleccionado Respuesta 4 Incorrecto

```
setTimeout(sayHello(), 3000);
```

Explicación de la respuesta: This option calls the setTimeout function and it passes the value returned by the sayHello function, rather than a reference to the function. The sayHello reference should not have parenthesis.

Enviar comentarios

× Pregunta 3 Incorrecto

Which function correctly demonstrates the use of rest parameters?

Respuesta 2 Correcto

```
function sum(...numbers) {
  var sum = 0;
  numbers.forEach(function(number) {
    sum += number;
  });
  return sum;
}
```



Explicación de la respuesta: This is an example of rest parameters, it is a good solution for adding multiple variables together when the number of variables is unknown or varies a lot.

Has seleccionado Respuesta 4 Incorrecto

```
function sum(a, b, c, d) {
  return a + b + c + d;
```

}

Explicación de la respuesta: This function is just using regular parameters, this is not an example of rest parameters.

Enviar comentarios

× Pregunta 4 Incorrecto

^

```
Given the following divide function, which code snippet will return the quotient of a and
b if b is not 0?
function divide(a, b) {
  return a / b;
```

Respuesta 1 Correcto

```
if(b != 0) {
  return divide(a, b);
}
```

Explicación de la respuesta: Calling the divide function inside the return statement will return the value that the divide function returns.

Has seleccionado Respuesta 4 Incorrecto



```
if(b != 0) {
  divide(a, b);
}
```

Explicación de la respuesta: This option does not contain a return statement.

Pregunta 5 Correcto

Which of the following code snippets will log small when num is less than 25, medium when num is at greater than 24 but less than 100, and large when num is any other number?

× Pregunta 6 Incorrecto

^

Given the following code snippet, which code block uses a for-in loop to iterate over the properties of the person object and log them to the console?

```
const person = {
firstName : "John",
lastName : "Doe",
age: 56
}
```

Has seleccionado Respuesta 2 Incorrecto

```
for(let x in person) {
  console.log(x);
}
```

Explicación de la respuesta: This option would log the names of the properties rather than the values they contain, so "firstName", "lastName", and "age" would be logged.

Respuesta 4 Correcto

```
for(let x in person) {
  console.log(person[x]);
}
```



Explicación de la respuesta: The for-in loop can be used to easily iterate through and access the values of the properties within an object.

✓ Pregunta 7 Correcto

Which function uses rest parameters to accept an undetermined number of parameters?

✓ Pregunta 8 Correcto

Which lines of code are considered inequality operators? Select all that apply.

✓ Pregunta 9 Correcto

What is the AJAX object used to exchange data with web servers?

✓ Pregunta 10 Correcto

Which code block defines a function that has one parameter and logs the value of the parameter?

✓ Pregunta 11 Correcto

Given the following block of code, which example block of code correctly combines the foo object with the bar object using the spread operator?

```
const foo = {
    w: 13,
    x: 7,
};
const bar = {
    y: 14,
    z: 8,
};
```



✓ Pregunta 12 Correcto

What is the expected output of the following code snippet?

```
const a = 5;
const b = -3;
console.log(a > 0 || b > 0);
```

× Pregunta 13 Incorrecto

Given the following array, which code block will loop through the pets array and print each element with a space in between them? var pets = ['cats', 'dogs', 'birds', 'fish'];

Respuesta 1 Correcto

```
pets.forEach(printElement);
function printElement(item, index) {
  document.write(pets[index] + " ");
}
```

Explicación de la respuesta: A forEach loop can be used to execute the printElement function for each element within the array.

Has seleccionado Respuesta 3 Incorrecto

```
pets.forOf(printElement);
function printElement(item, index) {
  document.write(pets[index] + " ");
}
```

Explicación de la respuesta: This is not the correct syntax for a for-of loop. The keyword "of" should be within the parenthesis seperating an iterator and the array being passed in.

Enviar comentarios

✓ Pregunta 14 Correcto

What is the purpose of the reverse method on an array object?

× Pregunta 15 Incorrecto

Why should the "var" keyword generally be avoided with JavaScript version ES6 and later versions? Select all that apply.

Has seleccionado Respuesta 1 Correcto

"var" creates a global variable if declared outside of a function. There could potentially be other global variables of the same name, which would cause a collision of variables. The different processes/tasks trying to access a variable of that name will run into issues.

Explicación de la respuesta: Because var variable are accessible at a global scope there may be another process or program with a variable of the same name that could collide with the var variable and cause unexpected behaviour.

Respuesta 2 Correcto

"var" supports hoisting, where a variable can be accessed before it is declared. This behavior is generally bad practice.

Explicación de la respuesta: hoisting is the behaviour that a variable can be accessed even if it isn't declared until several lines after the access point. This can cause issues because only the declaration and not the initialization is hoisted, so the variable will be undefined.

Has seleccionado Respuesta 3 Correcto

"var" supports the redeclaration of variables. It is an easy mistake to accidentally declare the same variable twice, which is likely to cause unexpected behavior.

Explicación de la respuesta: redeclaring variable can become messy and it's often done accidentally. To avoid this let or const could be used instead, they do not support the redeclaration of variables.

Has seleccionado Respuesta 4 Correcto



Using "var" to create a variable outside of a function will result in a global scope. This means the variable can be changed from anywhere. Because of its global scope, it is not very secure and can inadvertently get modified.

Explicación de la respuesta: var has a global scope when not inside a function or method. Having a global scope on a variable is not safe or secure. Any other program that is running at the same time as the JavaScript program can then access that variable and modify.

× Pregunta 16 Incorrecto

Given the following object in the JSON format, how can it be transformed into a JavaScript object? const jsonPerson = '{"firstName":"John", "lastName":"Doe", "age":30 }'

Respuesta 1 Correcto

const javascriptPerson = JSON.parse(jsonPerson);

Explicación de la respuesta: Parse can be used to translate JSON strings into JavaScript objects.

Has seleccionado Respuesta 4 Incorrecto

const javascriptPerson = JSON.stringify(jsonPerson);

Explicación de la respuesta: Stringify does the opposite of what this situation needs. Stringify translates a JavaScript object into a JSON string.

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✓ Pregunta 17 Correcto

Given the following string, which line of code will return the position of the first occurrence of the letter "o"? let str = ["Hello world"];

× Pregunta 18 Incorrecto



Given the "pets" array, which line of code gives the length of the "birds" string? let pets = ['cat', 'dogs', 'birds', 'fish'];

Has seleccionado Respuesta 1 Incorrecto

let birdLength = pets[2].length();

Explicación de la respuesta: length is a property of a string object, not a method.

Respuesta 3 Correcto

let birdLength = pets[2].length;

Explicación de la respuesta: The length property will return the number of characters within a string.

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✓ Pregunta 19 Correcto

Which lines of code are illegal variable names according to JavaScript rules? Select all that apply.

× Pregunta 20 Incorrecto

Which statements will create an array with no values inside it? Select all that apply.

Has seleccionado Respuesta 1 Correcto

const colors = new Array();

Explicación de la respuesta: Declaring an array with "new Array()" will create an empty array with no elements.

Has seleccionado Respuesta 2 Correcto

const colors = [];



Explicación de la respuesta: Using the brackets [] will create an empty array with no elements.

Respuesta 4 Correcto

const colors = new Array(4);

Explicación de la respuesta: Declaring an array using the Array constructor and passing 4 as an argument without quotation marks will result in an array with 4 empty elements.

Enviar comentarios

× Pregunta 21 Incorrecto

How can you verify that the value "81" is in the temps array? let temps = [85, 81, 79, 82];

Respuesta 1 Correcto

temps.some(81);

Explicación de la respuesta: The some method will check if any of the values are 81.

Has seleccionado Respuesta 4 Incorrecto

temp.has(81);

Explicación de la respuesta: has is not an available method for the array object in JavaScript.

Enviar comentarios

✓ Pregunta 22 Correcto



Which function logs "Hello World!" to the console?

× Pregunta 23 Incorrecto



Given the following pets array, which line of code moves "cats" and "dogs" from the pets array and adds them to a new array named popularPets without changing the pets array? const pets = ['cats', 'dogs', 'birds', 'fish', 'hamsters'];

Has seleccionado Respuesta 1 Incorrecto

const popularPets = pets.slice(0, 1);

Explicación de la respuesta: The slice method selects elements from the start argument to the end argument but does not include the end argument. So this option would only select 'cats' and not 'dogs'.

Respuesta 3 Correcto

```
const popularPets = pets.slice(0, 2);
```

Explicación de la respuesta: The slice method selects elements from the start argument to the end argument but does not include the end argument.

Enviar comentarios

× Pregunta 24 Incorrecto

Given the following arr1 array, which code snippet uses a for-in loop to iterate over the elements in the arr1 array, and logs each value to the console? let arr1 = [15, 42, 61, 20];

Has seleccionado Respuesta 2 Incorrecto

```
for (x in arr1) {
  console.log(x);
}
```

Explicación de la respuesta: If "x" is logged it will log the index number rather than the value so 0, 1, 2, 3 will be logged.



Respuesta 4 Correcto

```
for (x in arr1) {
  console.log(arr1[x]);
}
```

Explicación de la respuesta: The for-in loop is typically used to loop through the properties of a non-iterable object, but it can also be used on iterable objects such as arrays.

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✓ Pregunta 25 Correcto

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When handling legacy code with early implementation of an AJAX design, you may come across the use of ActiveXObject. Given the following variable for reference, what can this object be replaced with to modernize the code base? var variable = new ActiveXObject("Microsoft.XMLHTTP");

Pregunta 26 Correcto



Which description explains this statement?

```
if(n < 3) {
//do something
}</pre>
```

× Pregunta 27 Incorrecto



Which statements about the "return" keyword are true in JavaScript? Select all that apply.

Has seleccionado Respuesta 1 Correcto

The "return" keyword ends the execution of a function.

Explicación de la respuesta: A return statement/keyword will end the execution of a function, the function will return to where it was called from, if no value was defined then it returns undefined.



Has seleccionado Respuesta 3 Incorrecto

A value must follow the "return" keyword.

Explicación de la respuesta: A value may follow a return keyword, but it is not required, it's optional. If the goal is to simply exit the function at a certain point then simply using the return keyword without a value would be valid

Respuesta 4 Correcto

If a return statement does not have a value, then it returns "undefined".

Explicación de la respuesta: A return statement has an optional value/expression, if omitted the function will return undefined.

Enviar comentarios

✓ Pregunta 28 Correcto

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What is the expected output of the following code snippet?

```
const a = 5;
const b = -3;
console.log(a > 0 && b > 0);
```

✓ Pregunta 29 Correcto

~

Given the following arr array, which block of code correctly uses a for loop in JavaScript that loops through the arr array? const arr = [5, 8, 6, 3];

× Pregunta 30 Incorrecto

^

Which block of code will result in an infinite loop?

Respuesta 1 Correcto

```
let i = 0;
for(; ; ) {
   if(i < 5) {
     console.log(i);
     i++;
   }
}</pre>
```



Explicación de la respuesta: All of the statements within the parenthesis of a for loop are optional, however because there is now "break" statement within the for loop this will result in an infinite loop.

Has seleccionado Respuesta 4 Incorrecto

```
for(let i = 0; i < 5; ) {
  console.log(i);
  i++;
}</pre>
```

Explicación de la respuesta: The final-expression statement within the parenthesis is optional. It has been moved to the bottom of the code block in the for loop so the for loop will still terminate after it is executed 5 times.

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× Pregunta 31 Incorrecto

Given the array of temperatures and the function that determines if a temperature is freezing, which statement returns an array containing only the elements that are below freezing?

```
const degrees = [45, 30, 28, 44];
function checkFreezing(temp) {
return temp <= 32;
}</pre>
```

Respuesta 1 Correcto

```
degrees.filter(checkFreezing);
```

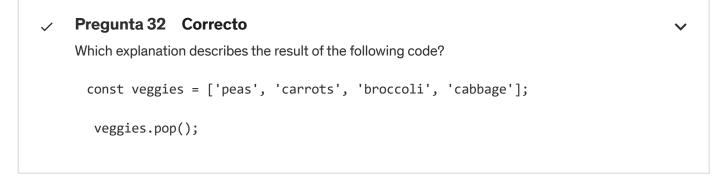
Explicación de la respuesta: The filter method will return values 32 or below in a new array.



Has seleccionado Respuesta 4 Incorrecto

```
degrees.every(checkFreezing);
```

Explicación de la respuesta: The every method does not return an array.



Ver menos ^

Tus recomendaciones de contenido

Este curso trata el **100 %** de los conocimientos que hemos identificado que necesitas según los resultados de tu evaluación e incluye sugerencias sobre qué secciones son

recomendado para ti-





Las evaluaciones tienen un límite de dos intentos cada 24 horas.

Te queda(n) 1 intento durante 24 horas.

Descartar





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