

JavaScript Multiple choice

This test is marked automatically.

Status: Scored

Marks received: 22,5 / 31



You have achieved 72,5% correct.

Total permitted attempts: 1 done, 0 remaining

Your answer is correct

Correct answer

Your answer is incorrect

Instructions

The first page of the exam is testing your knowledge of the language JavaScript.

You are **not** allowed to use the console for this part, but you may use <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference> to look up things. It has a search function.

Guessing can be hazardous!

Each incorrect answer results in -0.5 p

(0.5 will be subtracted from your total score for each faulty answer)

Selecting the Pass option will score 0 on that question.

What is the correct way to begin an **if** statement?

☐ Pass

☒ if (i == 5)

☐ if i == 5 then

☐ if i = 5 then

☐ (if i = 5)

Score: 1 (1)

Based on the following, which line of code will remove the first element of the array, resulting in x being equal to ['b', 'c']?

```
var x = ['a', 'b', 'c'];
```

☐ x.push()

☐ x.pop()

☒ x.shift()

☐ Pass

☐ x.unshift()

Score: 1 (1)

What is the value of 'x' and 'y' after the following code has been executed?

```
var x = 5;
var y = x++;
```

<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/> Pass	<input type="radio"/>
x = 6 y = 5	x = 5 y = 5	x = 5 y = 6		x = 6 y = 6

Score: -0.5 (1)

Is JavaScript case-sensitive?

<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Pass

Score: 1 (1)

How do you call a function named "myFunction"?

<input type="radio"/> call function myFunction()	<input checked="" type="radio"/> myFunction()	<input type="radio"/> myFunction	<input type="radio"/> call myFunction()	<input type="radio"/> Pass

Score: 1 (1)

How do you declare a JavaScript variable?

<input type="radio"/> Pass	<input checked="" type="radio"/> var carName;	<input type="radio"/> variable carName;	<input type="radio"/> declare carName	<input type="radio"/> v carName;

Score: 1 (1)

Pair the expression with the evaluated value

Alternative	Your answer	Correct answer
"42" === 42	false	false
42 === (40+2)	true	true

10 > 12	false	false
12 >= "12"	true	true
1 < 0	false	false
"hello" != "world"	true	true

Score: 1 (1)

What is true for the function below?

The function will be called with three numbers as arguments e.g. foo(-2,4,7)

```
function foo(a, b, c){  
  for(var i=a; i<a+2; i++){  
    if(i == a+1){  
      return b + c  
    }  
  }  
  return a  
}
```

☐ The code inside the function will crash for some number arguments.

☐ It always returns the sum of the second and third argument.

☒ It sometimes returns the sum of the second and third argument, and sometimes the value of the first argument (it depends on which values they have).

☐ Pass

☐ It always returns the value of the first argument.

Score: -0.5 (1)

Which of the following is NOT a reserved word?

☐ Pass (I don't want to answer) ☐ while ☐ if ☐ for ☒ and

Score: 1 (1)

What will be logged to the console?

```
function mrSuperRobot(foo, func) {  
  var bar = foo + "R";  
  func(bar);  
}
```

```
function mrInputRobot(foo) {  
  var baz = foo + "B";  
  console.log(baz);  
}
```

```
function mrRobot() {  
  var foo = "O";  
  mrSuperRobot(foo, mrInputRobot);  
}
```

mrRobot();

<input type="checkbox"/> "BRO"	<input type="checkbox"/> "BOR"	<input type="checkbox"/> "ROB"	<input checked="" type="checkbox"/> "ORB"	<input type="checkbox"/> Pass

Score: 2 (2)

What is the correct way to write a JavaScript array?

<input type="radio"/> var colors = (1:"red", 2:"green", 3:"blue")
<input type="radio"/> Pass
<input type="radio"/> var colors = 1 = ("red"), 2 = ("green"), 3 = ("blue")
<input type="radio"/> var colors = "red", "green", "blue"
<input checked="" type="radio"/> var colors = ["red", "green", "blue"]

Score: 1 (1)

Which of the following is a correct way to begin a while loop?

☐ while i = 1 to 10

☐ while {i > 10 }

☒ while (i <= 10)

☐ Pass

☐ while (i < 10; i++)

Score: 1 (1)

How do you round a number to the nearest integer?

E.g. 7.25 becomes 7 and 3.8 becomes 4

☒ Math.round(7.25)

☐ Math.rnd(7.25)

☐ round(7.25)

☐ Pass

☐ ceil(7.25)

Score: 1 (1)

Inside which HTML element do we put the JavaScript code?

☐ <js>

☐ <javascript>

☒ <script>

☐ <scripting>

☐ Pass

Score: 1 (1)

What is the difference between a property and a method in an object?

☐ Pass

☐ The property can only be accessed like this `object.propertyName` while methods can only be accessed like this `object["methodName"]`

☐ The property is the name of the object and the method is how you access that name.

☐ If an object has a property it cannot have a method.

☒ A method is a property that contains a function. A property that contains a value of any other type, is called a property

Score: 1 (1)

What will the following expression evaluate to?

"42" === 42

<input type="radio"/> true	<input type="radio"/> "42"	<input checked="" type="radio"/> false	<input type="radio"/> 42
----------------------------	----------------------------	--	--------------------------

Score: 1 (1)

Combine each value with its correct type

Alternative	Your answer	Correct answer
42	number	number
false	boolean	boolean
"hello world"	string	string
[]	array	array
{}	object	object

Score: 1 (1)

What does the following expression evaluate to:

"2" + 3

<input type="radio"/> The string "23"	<input type="radio"/> The string "5"	<input type="radio"/> Pass	<input type="radio"/> The number 23	<input checked="" type="radio"/> The number 5
---------------------------------------	--------------------------------------	----------------------------	-------------------------------------	---

Score: -0.5 (1)

How to insert a comment that spans over more than one line?

☐ Pass

☐ `//This comment has more than one line//`

☒ `/*This comment has more than one line*/`

☐ `*/ This comment has more than one line /*`

☐ `<!--This comment has more than one line-->`

Score: 1 (1)

What is the value of x after the following code runs?

```
var x;  
x++;
```

☐ undefined

☐ 0

☐ NaN

☒ 1

Score: -1 (1)

What is the correct way to change the content of this element

```
<p id="demo">replace this text</p>
```

☐ `document.getElementByName("p").innerText = "Hello World!";`

☐ `#demo.innerHTML = "Hello World!";`

☐ `document.getElement("p").innerHTML = "Hello World!";`

☐ Pass

☒ `document.getElementById("demo").innerText = "Hello World!";`

Score: 1 (1)

How do you write an if statement that only runs if i is NOT 5

☐ `if (i NOT 5)`

☐ Pass☐

```
if (i <!= 5)
```

☒

```
if (i != 5)
```

☐

```
if (i =! 5)
```

Score: 1 (1)

Which operator is used to assign a value to a variable?

☐ ++☐ ==☐ +☒ =

Score: 1 (1)

Place the following in the correct order (top to bottom) to declare the variable **everything** and assign the value **42**

Your answer

var

everything

=

42

;

Correct answer

var

everything

=

42

;

Score: 1 (1)

Which of the following is a correct way to begin a for loop?



```
for (var i = 0; i <= 5; i++)
```



```
for var i = 1 to 5
```



```
for (var i = 0; i <= 5)
```



```
for (var i <= 5; i++)
```



Pass

Score: 1 (1)

How do you create a function in JavaScript



```
function myFunction() {  
}
```



Pass



```
function:myFunction {  
}
```



```
myFunction{ ()  
}
```



```
function = myFunction() {  
}
```

Score: 1 (1)

What is a correct way to create an object?



```
var myObj = {one:1, two:2, three:3}
```



```
var myObj = {"one"; "two"; "three"}
```



```
var myObj = {"one", "two","three"}
```



```
var myObj = {one=1, two=2, three=3}
```



Pass

Score: 1 (1)

How do you add a single line comment in a JavaScript?

☐ `*/ This is a comment`

☐ `<!--This is a comment-->`

☐ Pass

☐ `'This is a comment`

☒ `//This is a comment`

Score: 1 (1)

Fill out the blanks in the code below with numbers so that the variable **sum** contains the sum of the numbers 4+5+6+7 (22)

```
var sum = 0
```

```
for(var i=  (4); i<=  (7); i++){
```

```
    sum += i  
}
```

Score: 0 (2)