

Exercise 30

QUIZ TIME

Use this little quiz to see what you're learning. Answers, of course, on the last page.

1. A function is allowed to call another function only if both functions were written by the same person.

- a. True
- b. False

2. Which of these CSS selectors matches all `<div>` elements with an id of `address`?

- a. `div#address {}`
- b. `div[type="address'] {}`
- c. `.address {}`
- d. `div.address {}`

3. Which attribute can be used on only one element in a web page?

- a. `id`
- b. `class`
- c. `src`
- d. `href`

4. HTML elements that do not require a closing tag are called...

- a. orphan elements
- b. self-closing elements
- c. nested elements
- d. stand-alone elements

5. As of 2019, the average annual salary for a JavaScript/front-end developer is:

- a. 68,000
- b. 84,000
- c. 97,000
- d. 106,000

6. Successful programmers are...

- a. left-brained
- b. right-brained

7. Which of these CSS rules will create a 1px solid blue margin with rounded corners on an element?

- a. `{border: blue, width: 1px, type: solid, radius: true}`
- b. `{border(1px solid blue), corner: radius}`
- c. `{border: 1px solid blue, border-radius: 6px}`
- d. `{border-style: "color:blue; style:solid; radius:6px; width:1px"}`

8. Is this valid JavaScript?

```
let person = {  
  firstName: 'Hal',  
  lastName: 'Helms',  
  address: {  
    city: 'Las Vegas',  
    state: 'Nevada'  
  }  
}
```

- a. Yes
- b. No

9. Is this valid JavaScript?

```
let myName = 'Hal'  
let myName = 'Hal Helms'
```

- a. Yes
- b. No

10. DOM stands for...

- a. Domain Of Machine
- b. Domain Object Major
- c. Document Object Model
- d. Design Open Map

11. What will this function return?

```
let multiplier = (num1, num2, num4) {  
  return num1 * num2 * num4  
}  
  
multiplier(4,3,0)
```

- a. an error
- b. 120
- c. 12
- d. 0

12. Which operator do we use to test for two things being equal?

- a. isEqual(val1, val2)
- b. ===
- c. <>
- d. =

13. What will be output in the console?

```
let languages = {  
  spain: 'Spanish',  
  germany: 'German',  
  england: 'English',  
  brazil: 'Portugese',  
  france: 'French'  
}  
  
console.log(languages.brazil)
```

- a. Portugese
- b. brazil
- c. no output
- d. error

14. Which of these is preferred?

- a. `document.getElementById('product')`
- b. `document.querySelector('#product')`

15. Which of these is valid JavaScript?

- a. `let _city = 'Las Vegas'`
- b. `let 1stPrize = 500`
- c. both
- d. neither

ANSWERS

1. **b. False**
2. **d. `div.address` {}** You might have thought it was c. `.address{}`, but that would match *all* elements with a `class` of `address`, not just the `<div>`s with a `class` of `address`.
3. **a. `id`**
4. **b. self-closing elements**
5. **d. 106,000**
6. Uh-oh: trick question! The correct answer is *both*. The pseudo-scientific idea that people are either right-brained or left-brained has been thoroughly debunked. It's true that different hemispheres of the brain are responsible for different things, but people use both sides.
7. **c. `{border: 1px solid blue, border-radius: 6px}`**
8. **a. Yes.** Don't feel bad if this one tripped you up: you haven't seen this before. But the *value* in key:value pairs can be a simple value like text or a number — or it can be a complex value like another object — or even a function.
9. **b. No.** Once a variable has been created, you no longer use the `let` keyword when accessing it.
10. **c. Document Object Model**
11. **d. 0.** This one might have tripped you up also because of the way I named the arguments, but you can use any valid variable name as an argument.
12. **b. `===`**
13. **a. Portugese**

14. Neither is preferred; they're both fine.

15. a. **let _city = 'Las Vegas'**. Another one you haven't seen before: starting a variable with an underscore. Odd? Yes? Invalid? No. The second answer *is* invalid as it begins with a number.

How'd you do? You know by now not to be discouraged, right? But in case you're feeling a little disappointed, let me relate something to you from my own experience. When my son was born and it came time to potty-train him, like any good parent of a first child, I read all the theories on potty training — to the point where I felt paralyzed.

And then I came across this reassuring truth: *everyone eventually learns to use the toilet, so relax*. Well, having taught hundreds of students, let me offer you a reassuring truth: programming is a completely learnable skill. Some people pick it up very quickly; some take longer. (I was in the latter category. Seriously.) But if you persevere, you'll learn it and, if you need any external motivation, maybe review question 5 again...