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...