Module quiz: The Building Blocks of a Program

1. What data type is the variable x ?

1 / 1 ponto

```
1
2    var x = {};
3
```

○ Function

○ Array

◉ Object

✓ **Correto**
That's correct! {} is the array literal.

2. What will be the output of running the following code?

1 / 1 ponto

```
1    try {
2    console.log('hello)
3    } catch(e) {
4    console.log('caught')
5    }
```

◉ Uncaught SyntaxError: Invalid or unexpected token.

○ Caught

✓ **Correto**
Correct, you cannot handle SyntaxErrors in JavaScript using a try catch block.

3. What value is printed when the following code runs?

1 / 1 ponto

```
1
2    var burger = ["bun", "beef", "lettuce", "tomato sauce", "onion", "bun"];
3    console.log(burger[2]);
4
```

○ bun

○ beef

◉ lettuce

○ tomato sauce

○ onion

✓ **Correto**
That's correct! Indices start at 0. Therefore lettuce will print out as it is at index 2.

4. In the following code, how many methods does the bicycle object have?

1 / 1 ponto

```
1
2    var bicycle = {
3        wheels: 2,
4        start: function() {
5
6        },
7        stop: function() {
8
9        }
10   };
11
```

○ 1

◉ 2

○ 3

⊘ **Correto**
That's correct! wheels is a property and start and stop are methods.

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5. When the following code runs, what will print out?

1 / 1 ponto

```
1
2    try {
3        throw new Error();
4        console.log('Hello');
5    } catch(err) {
6        console.log('Goodbye');
7    }
8
```

○ Hello

◉ Goodbye

⊘ **Correto**
That's correct! When the error is thrown, the code will execute the code inside the catch statement.

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6. If you mis-type some code in your JavaScript, what kind of error will that result in?

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○ RangeError

◉ SyntaxErrror

○ TypeError

⊘ **Correto**
That's correct!

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7. Will the following code execute without an error?

1 / 1 ponto

```
1
2    function add(a, b) {
3        console.log(a + b)
4    }
5
6    add(3, "4");
7
```

◉ Yes

○ No

⊘ **Correto**
That's correct! Although the code has a bug, it will execute without error. Instead of adding the numbers and printing 7 , it will print 34 .

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8. What will be printed when the following code runs?

1 / 1 ponto

```
1
2    var result;
3    console.log(result);
4
```

◉ undefined

○ null

○ 0

9. What will be the output of the following code?

1 / 1 ponto

```
1   var str = "Hello";
2   str.match("jello");
```

● null

○ undefined

○ empty string

⊘ **Correto**

That's correct! Since the string "Hello" doesn't contain the string "jello", it cannot be matched, and thus an array object with the matching result cannot be created. Hence, the return value is null, signaling the absence of a matching result.

10. What will be the output of the following code?

1 / 1 ponto

```
1   try {
2   Number(5).toPrecision(300)
3   } catch(e) {
4   console.log("There was an error")
5   }
```

○ RangeError

○ 5

○ e

● "There was an error"

⊘ **Correto**

Correct! The *catch block* will execute and print because of the Range error.