¡Felicitaciones! ¡Aprobaste!

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1.What will be the output of the following JavaScript?

1 / 1 pu

```
1
2    const a = true;
3    if(!a) {
4        console.log("Green");
5    } else {
6        console.log("Blue");
7    }
8
```

◯ Green

◉ Blue

✓ **Correcto**
That's correct! The NOT operator results in the condition being false.
Therefore, the code inside the else statement will execute and Blue
will be output.

2.What will be the output of the following JavaScript?

1 / 1 pu

```
1
2    var message = "Hello";
3    message += " World!";
4    message = "Goodbye!";
5    console.log(message);
6
```

◯ Hello

◯ World!

◯ Hello World!

○ Goodbye!

3.What is the data type of the *x* variable in the following code?

1 / 1 pu

```
1
2   var x = 0 != 1;
3
```

◀   ▶

○ Number

○ BigInt

○ String

◉ Boolean

4.What will the following JavaScript code output?

1 / 1 pu

```
1
2   var x = 10;
3
4   if(x > 10) {
5       console.log("Apple");
6   } else if(x > 5) {
7       console.log("Pear");
8   } else {
9       console.log("Orange");
10  }
11
```

◀   ▶

○ Apple

◉ Pear

○ Orange

That's correct. The *x* variable is equal to 10 so the first condition fails but the second condition succeeds. Therefore, the code inside the else if statement executes and Pear is output.

5. What will the following JavaScript code output?

```
1
2    var result = 0;
3
4    for(var i = 0; i < 5; i++) {
5        result += 2;
6    }
7
8    console.log(result);
9
```

○ 0

○ 2

○ 5

◉ 10

✓ **Correcto**
   That's correct! The loop will run 5 times and each time add 2 to the result variable. Therefore, 10 will be output.

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

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

○ Square

◉ Circle

✓ **Correcto**
   That's correct! When the error is thrown, the catch block will execute and output Circle.

7. In the following following JavaScript code snippet, what is missing for the code to return the value 15?

```
1
2    function addTwo(a,b) {
3        return a
4    }
5    addTwo(5,10)
6
```

◯ b after a in the return statement

◉ • b after a in the return statement

◯ Attribute

✓ **Correcto**
Well done. The missing code is "+ b".

8. What is the output of the code below?

```
1
2    var car = { mileage: 200 }
3    var carMileage = 100
4    console.log(car.mileage)
5
```

◉ 200

◯ 100

◯ 300

✓ **Correcto**
Well done. You can access the mileage property on the car object using the dot notation.

9. True or False. You use the pop method on an array to remove the last item from it.

◉ True

◯ False

✓ **Correcto**
Well done. The pop method removes the last item from an array.

10. What is the first argument passed to the addEventListener function?   **0 / 1 punto**

○ A string describing the type of event (such as, "click").

⦿ A function that will handle the event.

○ The target of the event.

⊗ **Incorrecto**
   Not quite. Please revise Module 3, Lesson 4, "Event Handling"

11. How do you create a new h2 element using JavaScript?   **0 / 1 punto**

○ With document.createElement('h2')

○ With document.buildElement('h2')

⦿ With document.addElement('h2')

⊗ **Incorrecto**
   Not quite. Revise Module 3, Lesson 4, "JavaScript DOM manipulation".

12. Is the code below missing a .js after the ./addFive ?   **1 / 1 p**

```
1
2   const addFive = require('./addFive')
3
```

⦿ false

○ true

⊘ **Correcto**
   Well done. There's no need to add .js when importing files using the require syntax.