

# ¡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 x = 2;
3  x += 5;
4  console.log(x);
5
```

☐ 2

☐ 3

☐ 5

☒ 7

✓ **Correcto**

That's correct! The x variable is initially assigned the value 2. Then 5 is added to the variable and the result is stored in the variable. Therefore, 7 is output by the code.

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

1 / 1 pu

```
1
2   var x = "Hello";
3
```

- ☐ Number
- ☐ BigInt
- ☒ String
- ☐ Boolean

✓ **Correcto**

That's correct! Text wrapped in double quotes represents a string data type.

4.What will the following JavaScript code output?

1 / 1 pu

```
1
2   var x = 20;
3
4   if(x < 5) {
5       console.log("Apple");
6   } else if(x > 10 && x < 20) {
7       console.log("Pear");
8   } else {
9       console.log("Orange");
10  }
11
```

- ☐ Apple
- ☐ Pear
- ☒ Orange

✓ **Correcto**

That's correct! All conditions will fail because x is equal to 20. Therefore, the code inside the else statement will run and output Orange.

5.What will the following JavaScript code output?

1 / 1 pu

```
1
2   var result = 0;
```

```
3
4   var i = 4;
5   while(i > 0) {
6       result += 2;
7       i--;
8   }
9
10  console.log(result);
11
```

☐ 0

☐ 2

☐ 4

☒ 8

✓ **Correcto**

That's correct! The loop will run 4 times and each time add 2 to the result variable. Therefore, 8 will be output.

6.What will the following JavaScript code output?

0 / 1 pu

```
1
2   var result;
3   console.log(result);
4   result = 7;
5
```

☐ null

☒ undefined

☐ 7

✗ **Incorrecto**

Not quite. Revise the item *Undefined, Null and Empty Values in Error Handling*.

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

1 / 1 pu

```
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 / 1 pu

```
1
2   var cat = {}
3   cat.sound = "meow"
4   var catSound = "purr"
5   console.log(cat.sound)
6
```

☒ meow

☐ purr

☐ {}

☐ catSound

☒ **Correcto**

Well done. Revise Module 2 Lesson 2 "CSS Basics".

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

1 / 1 punto

☒ True

☐ False

☒ **Correcto**

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

10. True or False. The second argument passed to the addEventListener function is the actual function that will handle the event, when it gets triggered.

1 / 1 punto

☒ True

☐ False

☒ **Correcto**

Well done. The second argument passed to the addEventListener handles the event.

11. How can you add an HTML attribute to an HTML element using JavaScript?

1 / 1 punto

- ☒ By invoking the `setAttribute` method on a given element.
- ☐ By invoking the `getAttribute` method on a given element.
- ☐ By invoking the `createAttribute` method on a given element.

✓ **Correcto**

Well done. For example, to add an id attribute to an element, you can run `setAttribute('id', 'sub-heading')`

12. Is the code below missing a `.js` after the `./addFive` ?

0 / 1 punto

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

- ☐ false
- ☒ true

✗ **Incorrecto**

Not quite. Revise Module 4, Lesson 1, "Writing tests with Jest".