

## ✓ Congratulations! You passed!

[Go to next item](#)Grade received **85.71%** To pass 80% or higher1. What data type is the variable `item` ?

1 / 1 point

```
1
2 | var item = [];
3
```

- ☐ Boolean
- ☐ Function
- ☒ Array

**Correct**That's correct! `[]` is the array literal.2. What is the value of `result` for the following code?

1 / 1 point

```
1
2 | var result = "Hello".indexOf('l');
3
```

- ☐ 1
- ☒ 2
- ☐ 3
- ☐ 4

**Correct**That's correct! Indices start at 0. Therefore the first index of `l` is 2.3. What is the length of the `clothes` array after this code runs?

1 / 1 point

```
1
2 | var clothes = [];
3 | clothes.push('gray t-shirt');
4 | clothes.push('green scarf');
5 | clothes.pop();
6 | clothes.push('slippers');
7 | clothes.pop();
8 | clothes.push('boots');
9 | clothes.push('old jeans');
10
```

- ☐ 1
- ☐ 2
- ☒ 3
- ☐ 4

**Correct**

That's correct! 5 items are added (push) to the array and 2 items are removed (pop). The result is 3 items in the array.

4. What value is printed out by the following code?

1 / 1 point

```
1
2 | var food = [];
3 | food.push('Chocolate');
4 | food.push('Ice cream');
5 | food.push('Donut');
```

```
6 | console.log(food[1])
7 |
8 |
```

- ☐ Chocolate
- ☒ Ice cream
- ☐ Donut



Correct

That's correct! Array indices start at 0, so the value at index 1 is Ice cream.

5. How many properties does the `dog` object have after the following code is run?

1 / 1 point

```
1 |
2 | var dog = {
3 |     color: "brown",
4 |     height: 30,
5 |     length: 60
6 | };
7 | dog["type"] = "corgi";
8 |
```

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4



Correct

That's correct! Additional properties can be assigned after an object is created. In this code, the object is created with three properties (color, height, length) and then a fourth property is assigned.

6. In the following function, the variables `a` and `b` are known as \_\_\_\_\_.

1 / 1 point

```
1 |
2 | function add(a, b) {
3 |     return a + b;
4 | }
5 |
```

- ☒ Parameters
- ☐ Return Values



Correct

That's correct! Parameters are the inputs to a function.

7. Which of the following are functions of the `Math` object?

0 / 1 point

- ☐ `random()`
- ☐ `round()`
- ☒ `sqrt()`



Correct

That's correct! `Math.sqrt()` returns the mathematical square root of a number.

You didn't select all the correct answers