

JavaScript

Test 13

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Совместный доступ отсутствует

***Обязательный вопрос**

Name Surname *

Мой ответ

1. In a constructor function, what does the 'this' keyword refer to?

5 баллов

- ☐ The newly created object
- ☐ The global object
- ☐ The prototype object
- ☐ The current function

2. How do you define a constructor function in JavaScript?

5 баллов

- ☐ Using the 'new' keyword
- ☐ Using the 'class' keyword
- ☐ Using the 'function' keyword
- ☐ Using the 'constructor' keyword

3. Which keyword is used to create a new instance of an object from a constructor function?

5 баллов

- ☐ create
- ☐ instance
- ☐ new
- ☐ construct

4. What is the role of the prototype object in constructor functions?

5 баллов

- ☐ To store object data
- ☐ To define instance-specific properties
- ☐ To share methods and properties among instances
- ☐ To create new instances

5. In a class, what is the role of the 'constructor' method?

5 баллов

- ☐ To create a new instance of the class
- ☐ To define the properties and methods of the class
- ☐ To initialize the object when it is created
- ☐ To specify the inheritance relationship

6. In a class, which keyword is used to create a setter for a class property?

5 баллов

- ☐ get
- ☐ set
- ☐ property
- ☐ define

7. In JavaScript, classes use prototype-based inheritance: if two objects inherit properties (generally function-valued properties, or methods) from the same prototype, then we say that those objects are NOT instances of the same class.

5 баллов

- ☐ true
- ☐ false

8. Which is the right way to declare a class.

5 баллов

- ☐ class Foo {}
- ☐ const Foo = class {}
- ☐ const Foo = class Foo2 {}
- ☐ class Foo() {}
- ☐ function Foo() {}

9. Main differences between function constructors and classes. *

5 баллов

Мой ответ

10. Where do class methods define?

5 баллов

- ☐ prototype
- ☐ class
- ☐ instance object
- ☐ both class and instance

11. What will be the output of the following code snippet?

5 баллов

```
class Animal{
  constructor() { }
}
console.log(typeof Animal);
```

- ☐ class
- ☐ Animal
- ☐ function
- ☐ object

12. What will be the output of the following code snippet?

5 баллов

```
class User {
  constructor(name) { this.name = name; }
  sayHi() { alert(this.name); }
}
console.log(User === User.prototype.constructor);
```

- ☐ false
- ☐ true

13. What will be the output of the following code snippet?

5 баллов

```
class User {
  constructor(name) { this.name = name; }
  sayHi() { alert(this.name); }
}
console.log(Object.getOwnPropertyNames(User.prototype));
```

- ☐ "sayHi"
- ☐ "constructor"
- ☐ ["constructor", "sayHi"]
- ☐ ["sayHi"]

14. What will be the output of the following code snippet?

5 баллов

```
class Test {
  foo() {
    x = 13;
  }
}
let test = new Test();
test.foo();
console.log(x);
```

- ☐ 13
- ☐ null
- ☐ Reference Error
- ☐ undefined

15. What will be the output of the following code snippet?

5 баллов

```
function Foo() {}
function Foo2() {}
console.log(new Foo2() instanceof Foo);
Foo2.prototype = Foo.prototype;
console.log(new Foo2() instanceof Foo);
```

- ☐ false, false
- ☐ true, false
- ☐ true, true
- ☐ false, true

16. What will be the output of the following code snippet?

5 баллов

```
function Box() {
  if (!new.target) {
    return new Box();
  }
  this.width = 2;
  this.height = 2;
  this.depth = 2;
}
let box = Box();
console.log(box.width);
```

- ☐ 2
- ☐ undefined
- ☐ Reference Error
- ☐ 6

17. What will be the output of the following code snippet?

5 баллов

```
let sum = 0;
function Box() {
  if (!new.target) {
    sum += 4;
  } else {
    sum += 3;
  }
  this.width = 2;
  this.height = 2;
  return 8;
}
let obj = new Box();
obj.constructor();
console.log(sum);
```

- ☐ 7
- ☐ 8
- ☐ 3
- ☐ 4
- ☐ undefined

18. What will be the output of the following code snippet?

5 баллов

```
class Box {
  constructor() {
    this.width = 0;
    this.height = 0;
    this.depth = 0;
  }
  constructor(width, height, depth) {
    this.width = width;
    this.height = height;
    this.depth = depth;
  }
}
let b = new Box();
let b2 = new Box(1, 2, 3);
console.log(b.width + b2.width);
```

- ☐ SyntaxError
- ☐ 1
- ☐ 6
- ☐ undefined

19. What will be the output of the following code snippet?

5 баллов

```
function Box() {
  if (new.target) {
    return new Box();
  }
  this.width = 2;
  this.height = 2;
  this.depth = 2;
}
let b = Box();
console.log(b.depth);
```

- ☐ TypeError
- ☐ 2
- ☐ 6
- ☐ undefined

20. What will be the value of the [[IsClassConstructor]] property when working with classes?

5 баллов

- ☐ class
- ☐ true
- ☐ object
- ☐ function

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