

1. Which of the following is the correct way to declare a variable in JavaScript?

a) var x = 10;

b) x = 10;


c) both a & d

d) let x = 10;

Correct answer: c) both a & d

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

javascript

 Copy code

```
var x = 10;  
function foo() {  
  console.log(x);  
  var x = 20;  
}  
foo();
```

a) 10

b) 20


c) undefined

d) ReferenceError

Correct answer: c) undefined

3. What is the result of the following expression?

arduino

 Copy code

```
5 + "5"
```

- a) 55
- b) 10
- c) "55"
- d) Error

Correct answer: c) "55"


4. Which method is used to add an element to the end of an array in JavaScript?

- a) push()
- b) pop()
- c) shift()
- d) unshift()

Correct answer: a) push()

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

css

 Copy code

```
for (var i = 0; i < 5; i++) {  
  setTimeout(function() {  
    console.log(i);  
  }, 1000);  
}
```

- a) 0 1 2 3 4
- b) 5 5 5 5 5
- c) 1 2 3 4 5
- d) undefined

Correct answer: b) 5 5 5 5 5

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

```
javascript Copy code  
  
var x = 10;  
if (true) {  
  var x = 20;  
  console.log(x);  
}  
console.log(x);
```

- a) 10 20
- b) 20 20
- c) 10 10
- d) ReferenceError

Correct answer: b) 20 20


7. Which of the following methods is used to remove the last element from an array in JavaScript?

- a) pop()
- b) push()
- c) shift()
- d) unshift()

Correct answer: a) pop()

8. What does the following code snippet do?

javascript

 Copy code


```
function greet(name = "Guest") {  
  console.log("Hello, " + name + "!");  
}  
greet();
```

- a) It declares a function named "greet" and logs "Hello, Guest!" to the console.
- b) It declares a function named "greet" without any parameters.
- c) It declares a function named "greet" with a parameter "name" that has a default value of "Guest".
- d) It declares a function named "greet" and throws an error because no argument is passed.

Correct answer: a) It declares a function named "greet" and logs "Hello, Guest!" to the console.

9. What is the result of the following expression?

arduino

 Copy code


```
"5" - 2
```

- a) 3
- b) "3"
- c) 2
- d) NaN

Correct answer: a) 3

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

javascript

 Copy code

```
console.log(typeof null);
```


- a) "object"
- b) "null"
- c) "undefined"
- d) "string"

Correct answer: a) "object"

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

...

arduino

 Copy code

```
console.log(1 + "2" + 3);
```

...

- a) "123"
- b) "6"
- c) "15"
- d) "1 + 2 + 3"

Correct answer: a) "123"

12. Which of the following is the correct way to create a new object in JavaScript?

- a) var obj = Object();
- b) var obj = {};
- c) var obj = new Object();
- d) All of the above

Correct answer: d) All of the above

13. What does the "this" keyword refer to in JavaScript?

- a) The global object
- b) The parent function
- c) The current object or context
- d) The previous object

Correct answer: c) The current object or context

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

...

```
javascript Copy code  
  
var x = 10;  
function foo() {  
  console.log(x);  
}  
foo();  
var x = 20;
```

...

- a) 10
- b) 20
- c) undefined
- d) ReferenceError

Correct answer: a) 10

15. Which of the following is the correct syntax to create a JavaScript class?


- a) class MyClass extends Object {}
- b) function MyClass() {}
- c) class MyClass {}
- d) var MyClass = {};

Correct answer: c) class MyClass {}

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

...

arduino

 Copy code

```
console.log(2 + 3 + "4");
```

...

- a) "54"
- b) "234"
- c) "9"
- d) "2 + 3 + 4"

Correct answer: a) "54"

17. Which of the following methods is used to remove an element at a specific index from an array in JavaScript?

- a) shift()
- b) slice()
- c) splice()
- d) remove()

Correct answer: c) splice()

18. What is the purpose of the "new" keyword when creating objects in JavaScript?

- a) It creates a copy of an existing object.
- b) It indicates the use of an ES6 class for object creation.
- c) It creates an instance of a constructor function.
- d) It is not necessary for object creation in JavaScript.

Correct answer: c) It creates an instance of a constructor function.

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

...

```
SCSS Copy code  
  
var x = 5;  
function changeValue(x) {  
  x = 10;  
}  
changeValue(x);  
console.log(x);
```

...

- a) 5
- b) 10
- c) undefined
- d) ReferenceError

Correct answer: a) 5

20. Which method is used to convert a JavaScript object to a JSON string?

- a) stringify()
- b) parse()
- c) convert()
- d) JSONify()

Correct answer: a) stringify()

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

...

```
javascript  Copy code

var x = 5;
function foo() {
  console.log(x);
  var x = 10;
  console.log(x);
}
foo();
```

...

- a) undefined 10
- b) 5 10
- c) ReferenceError
- d) 10 10

Correct answer: a) undefined 10

22. Which of the following methods is used to add or modify properties of an object in JavaScript?


- a) assign()
- b) update()
- c) add()
- d) modify()

Correct answer: a) assign()

23. What does the following code snippet do?

...

javascript

 Copy code

```
var add = (function() {  
  var counter = 0;  
  return function() {  
    return counter += 1;  
  }  
})();  
console.log(add());  
console.log(add());
```

...


- a) It declares a function named "add" and logs 0 and 1 to the console.
- b) It declares a function named "add" with a counter variable initialized to 0.
- c) It declares a function named "add" that increments the counter variable each time it is called.
- d) It declares a function named "add" and throws an error due to an undefined variable.

Correct answer: c) It declares a function named "add" that increments the counter variable each time it is called.

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

...

arduino

 Copy code

```
console.log(3 * "2");
```

...

- a) 6
- b) "6"
- c) NaN
- d) "32"

Correct answer: a) 6

25. Which method is used to check if a particular key exists in an object in JavaScript?

- a) hasKey()
- b) checkKey()
- c) containsKey()
- d) hasOwnProperty()

Correct answer: d) hasOwnProperty()

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

...

```
arduino  Copy code  
  
console.log("Hello, " + 2);
```

...

- a) "Hello, 2"
- b) "Hello, undefined"
- c) "Hello, NaN"
- d) "Hello, Hello"

Correct answer: a) "Hello, 2"

27. Which of the following methods is used to convert a string to lowercase in JavaScript?


- a) toLowerCase()
- b) lowerCase()
- c) convertToLower()
- d) makeLowerCase()

Correct answer: a) toLowerCase()

28. What is the result of the following expression?

...

javascript

 Copy code

```
[] instanceof Array
```

...


- a) true
- b) false
- c) TypeError
- d) ReferenceError

Correct answer: a) true

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

...

arduino

 Copy code

```
console.log("2" - "1" + 1);
```

...

- a) 2
- b) "21"
- c) "3"
- d) "10"

Correct answer: a) 2

30. Which method is used to remove whitespace from both ends of a string in JavaScript?


- a) trim()
- b) removeWhitespace()
- c) strip()
- d) clean()

Correct answer: a) trim()

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

...

javascript

 Copy code

```
console.log(typeof []);
```

...

- a) "object"
- b) "array"
- c) "undefined"
- d) "null"

Correct answer: a) "object"

32. Which of the following is the correct way to access the length of an array in JavaScript?

- a) lengthOfArray
- b) arrayLength
- c) length(array)
- d) array.length

Correct answer: d) array.length

33. What does the "strict mode" in JavaScript do?


- a) It enforces stricter syntax rules and error handling.
- b) It improves the performance of JavaScript code.
- c) It allows for implicit type conversions.
- d) It enables experimental features and optimizations.

Correct answer: a) It enforces stricter syntax rules and error handling.

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

...

arduino

 Copy code

```
console.log(2 ** 3);
```

...

- a) 6
- b) 9
- c) 8
- d) 16

Correct answer: d) 8

35. Which of the following is NOT a valid way to create a JavaScript function?


- a) function myFunction() {}
- b) var myFunction = function() {};
- c) () => {}
- d) let myFunction = () => {}

Correct answer: a) function myFunction() {}

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

...

javascript

 Copy code

```
console.log(null == undefined);
```

...

- a) true
- b) false
- c) undefined
- d) null

Correct answer: a) true

37. Which method is used to find the index of the first occurrence of a specified element in an array in JavaScript?


- a) findIndex()
- b) search()
- c) indexOf()
- d) find()

Correct answer: c) indexOf()

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

...

arduino

 Copy code

```
console.log("Hello".charAt(0));
```

...


- a) "H"
- b) "Hello"
- c) "o"
- d) "undefined"

Correct answer: a) "H"

39. What is the result of the following expression?

...

arduino

 Copy code

```
true + 2
```

...

- a) 3
- b) "true2"
- c) 2
- d) NaN

Correct answer: a) 3

40. Which method is used to convert a JSON string to a JavaScript object?

- a) stringify()
- b) convert()
- c) parse()
- d) fromJSON()

Correct answer: c) parse()

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

...

```
javascript Copy code  
  
console.log(typeof NaN);
```

...

- a) "number"
- b) "NaN"
- c) "undefined"
- d) "NaN"

Correct answer: a) "number"

42. Which of the following methods is used to join the elements of an array into a string in JavaScript?


- a) join()
- b) merge()
- c) concat()
- d) toString()

Correct answer: a) join()

43. What does the following code snippet do?

...

javascript

 Copy code

```
var x = 5;
function outer() {
  var x = 10;
  function inner() {
    console.log(x);
  }
  return inner;
}
var innerFn = outer();
innerFn();
```


- a) It declares a function named "outer" and logs 5 to the console.
- b) It declares a function named "inner" and logs 10 to the console.
- c) It declares a function named "inner" that logs 10 to the console when invoked.
- d) It throws a ReferenceError because of variable conflicts.

Correct answer: c) It declares a function named "inner" that logs 10 to the console when invoked.

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

...

arduino

 Copy code

```
console.log("Hello" + true);
```

...

- a) "Hello true"
- b) "Helloundefined"
- c) "Hellotrue"
- d) "HelloNaN"


Correct answer: c) "Hellotrue"

45. Which of the following is the correct way to access the value of a property in an object in JavaScript?

- a) object.property
- b) object["property"]
- c) object.getProperty()
- d) All of the above

Correct answer: d) All of the above

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

```
javascript  Copy code  
  
console.log([] instanceof Object);
```

- a) true
- b) false
- c) TypeError
- d) ReferenceError

Correct answer: a) true

47. Which method is used to convert a JavaScript object to an array of its keys?


- a) keys()
- b) getKeys()
- c) objectKeys()
- d) Object.keys()

Correct answer: d) Object.keys()

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

...

arduino

 Copy code

```
console.log(10 % 3);
```

...


- a) 1
- b) 3
- c) 10
- d) 0

Correct answer: a) 1

49. What does the following code snippet do?

...

javascript

 Copy code

```
var x = 5;  
x = "Hello";  
console.log(typeof x);
```

- a) It declares a variable named "x" and assigns a number value to it.
- b) It declares a variable named "x" and assigns a string value to it.
- c) It throws a TypeError because of an incompatible assignment.
- d) It logs "number" to the console.

Correct answer: b) It declares a variable named "x" and assigns a string value to it.

50. Which method is used to remove an element at the beginning of an array in JavaScript?


- a) shift()
- b) pop()
- c) unshift()
- d) remove()

Correct answer: a) shift()

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

...

arduino

 Copy code

```
console.log(3 + 2 + "1");
```

...

- a) "51"
- b) "32"
- c) "6"
- d) "321"

Correct answer: a) "51"

52. Which of the following methods is used to add elements to the end of an array in JavaScript?

- a) push()
- b) add()
- c) insert()
- d) append()

Correct answer: a) push()

53. What does the "===" operator in JavaScript compare?


- a) Values and types
- b) Only values
- c) Only types
- d) It is not a valid operator in JavaScript

Correct answer: a) Values and types

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

...

arduino

 Copy code

```
console.log(+ "2" - "1");
```

...

- a) 1
- b) "1"
- c) 2
- d) "21"

Correct answer: a) 1

55. Which of the following is the correct way to check if a variable is an array in JavaScript?


- a) isArray()
- b) isTypeOf()
- c) typeOfArray()
- d) checkArray()

Correct answer: a) isArray()

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

...

javascript

 Copy code

```
console.log(typeof typeof 1);
```

...

- a) "number"
- b) "string"
- c) "undefined"
- d) "typeof"

Correct answer: b) "string"


57. Which method is used to remove the last element from an array in JavaScript?

- a) shift()
- b) slice()
- c) pop()
- d) remove()

Correct answer: c) pop()

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

javascript

 Copy code

```
console.log(Boolean([]));
```

...

- a) true
- b) false
- c) undefined
- d) TypeError

Correct answer: a) true

59. What does the following code snippet do?

...

SCSS  Copy code

```
var x = 5;
function foo() {
  console.log(x);
  x = 10;
  console.log(x);
}
foo();
```

- a) It declares a variable named "x" and logs 5 and 10 to the console.
- b) It declares a function named "foo" that logs 5 and 10 to the console when invoked.
- c) It declares a variable named "x" and assigns a value of 5 to it.
- d) It throws a ReferenceError due to a variable conflict.

Correct answer: b) It declares a function named "foo" that logs 5 and 10 to the console when invoked.

60. Which method is used to convert a JavaScript array to a string?


- a) join()
- b) toString()
- c) stringify()
- d) convert()

Correct answer: b) toString()

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

...

arduino

 Copy code

```
console.log("Hello" - 2);
```

...

- a) "Hello2"
- b) NaN
- c) "Hello-2"
- d) TypeError

Correct answer: b) NaN

62. Which of the following methods is used to remove an element from a specific index in an array in JavaScript?

- a) remove()
- b) splice()
- c) delete()
- d) extract()

Correct answer: b) splice()

63. What does the "!== " operator in JavaScript compare?


- a) Values and types
- b) Only values
- c) Only types
- d) It is not a valid operator in JavaScript

Correct answer: a) Values and types

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

...

arduino

 Copy code

```
console.log(2 + "2" + 1);
```

...

- a) "221"
- b) "32"
- c) "221"
- d) "2211"

Correct answer: c) "221"

65. Which of the following is the correct way to check if a variable is a function in JavaScript?


- a) isFunction()
- b) typeof()
- c) typeOfFunction()
- d) typeof operator cannot determine if a variable is a function

Correct answer: d) typeof operator cannot determine if a variable is a function

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

...

arduino

 Copy code

```
console.log(2 * "2");
```

...

- a) 4
- b) "4"
- c) NaN
- d) "22"

Correct answer: a) 4

67. Which method is used to find the index of the last occurrence of a specified element in an array in JavaScript?

- a) findIndex()
- b) search()
- c) indexOf()
- d) lastIndexOf()

Correct answer: d) lastIndexOf()

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

...

```
javascript  Copy code  
  
console.log(Boolean(""));
```

...


- a) true
- b) false
- c) undefined
- d) TypeError

Correct answer: b) false

69. What does the following code snippet do?

...

javascript

 Copy code

```
var x = 5;
function foo() {
  console.log(x);
  var x = 10;
  console.log(x);
}
foo();
```

- a) It declares a variable named "x" and logs 5 and 10 to the console.
- b) It declares a function named "foo" that logs 5 and 10 to the console when invoked.
- c) It throws a ReferenceError due to a variable conflict.
- d) It logs undefined and 10 to the console.

Correct answer: d) It logs undefined and 10 to the console.

70. Which method is used to convert a JavaScript object to a JSON string?


- a) toJSON()
- b) stringify()
- c) parse()
- d) convertToJSON()

Correct answer: b) stringify()

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

...

javascript

 Copy code

```
console.log(Boolean(0));
```

...

- a) true
- b) false
- c) undefined
- d) TypeError

Correct answer: b) false

72. Which of the following methods is used to check if an array includes a specific element in JavaScript?

- a) includes()
- b) contains()
- c) indexOf()
- d) find()

Correct answer: a) includes()

73. What does the "&&" operator do in JavaScript?


- a) It performs a logical OR operation.
- b) It performs a logical NOT operation.
- c) It performs a logical AND operation.
- d) It is not a valid operator in JavaScript.

Correct answer: c) It performs a logical AND operation.

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

...

arduino

 Copy code

```
console.log(4 / "2");
```

...

- a) 2
- b) "2"
- c) NaN
- d) "42"

Correct answer: a) 2

75. Which of the following is the correct way to check if a variable is defined in JavaScript?


- a) isDefined()
- b) undefined()
- c) typeof()
- d) typeof operator cannot determine if a variable is defined

Correct answer: d) typeof operator cannot determine if a variable is defined

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

...

arduino

 Copy code

```
console.log(+ "2" + + "3");
```

...

- a) 5
- b) "23"
- c) "5"
- d) "2+3"

Correct answer: a) 5

77. Which method is used to remove multiple elements from an array and replace them with new elements in JavaScript?


- a) shift()
- b) unshift()
- c) splice()
- d) replace()

Correct answer: c) splice()

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

...

javascript

 Copy code

```
console.log(Boolean(null));
```

...

- a) true
- b) false
- c) undefined
- d) TypeError

Correct answer: b) false

79. What does the following code snippet do?

```
SCSS  Copy code

var x = 5;
function foo() {
  console.log(x);
}
foo();
```

- ...
- a) It declares a variable named "x" and logs undefined to the console.
 - b) It declares a function named "foo" that logs 5 to the console when invoked.
 - c) It throws a ReferenceError due to a variable conflict.
 - d) It logs 5 to the console.

Correct answer: d) It logs 5 to the console.

80. Which method is used to convert a string to uppercase in JavaScript?

- a) toUpperCase()
- b) upperCase()
- c) convertCase("upper")
- d) case.toUpperCase()

Correct answer: a) toUpperCase()