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

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

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

- a) 0 1 2 3 4
- b) 5 5 5 5 5
- c) 12345
- d) undefined

Correct answer: b) 5 5 5 5 5

```
javascript

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()

```
javascript

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

"5" - 2

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

Correct answer: a) 3
```

Copy code javascript 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? Copy code arduino 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?

```
Copy code
  javascript
  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 {}
```

arduino 🖺 Copy	/ 00
arduno	/ 60
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.	
<ul><li>b) It indicates the use of an ES6 class for object creation.</li><li>c) It creates an instance of a constructor function.</li></ul>	
d) It is not necessary for object creation in JavaScript.	
Correct answer: c) It creates an instance of a constructor function.	

```
Copy code
  SCSS
  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()
```

...

```
Copy code
  javascript
  var x = 5;
  function foo() {
    console.log(x);
    var x = 10;
    console.log(x);
  foo();
  a) undefined 10
  b) 510
  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()
```

```
javascript

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

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

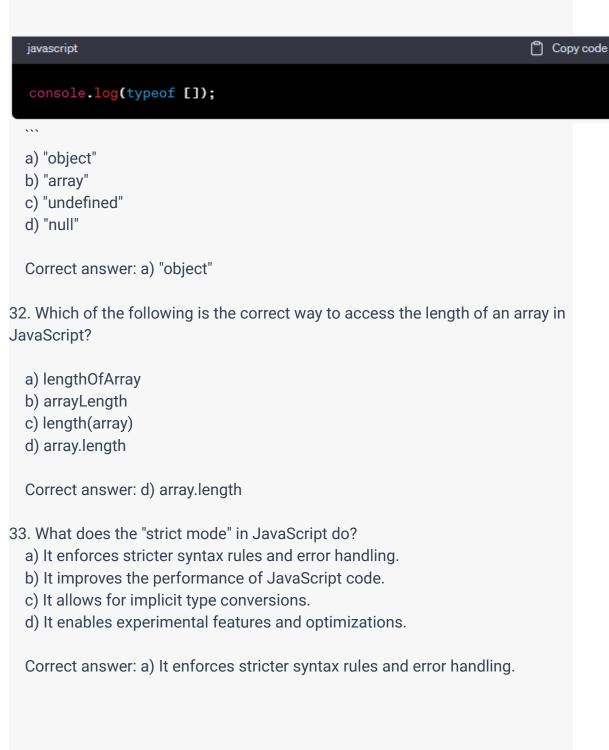
a) 6
b) "6"
c) NaN
d) "32"

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? Copy code arduino 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()

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34. What will be the output of the following code? Copy code arduino 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? Copy code javascript 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
<pre>console.log("Hello".charAt(0));</pre>
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
<pre>console.log(typeof NaN);</pre>
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()

```
javascript

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

console.log("Hello" + true);

""

a) "Hello true"

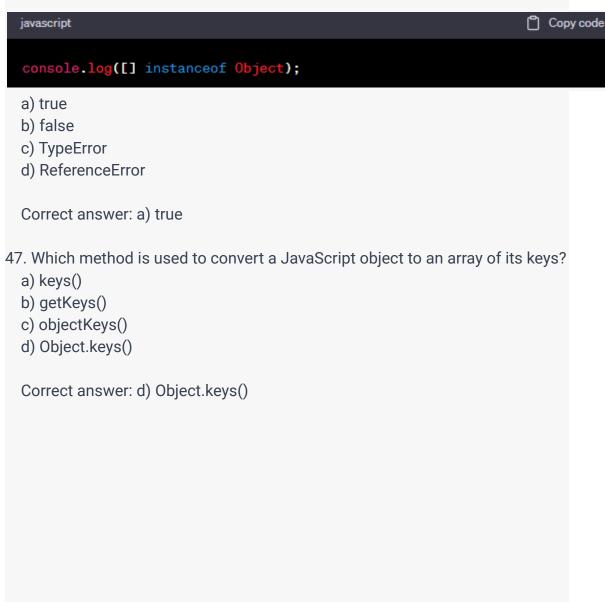
b) "Helloundefined"

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?



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? Copy code javascript 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

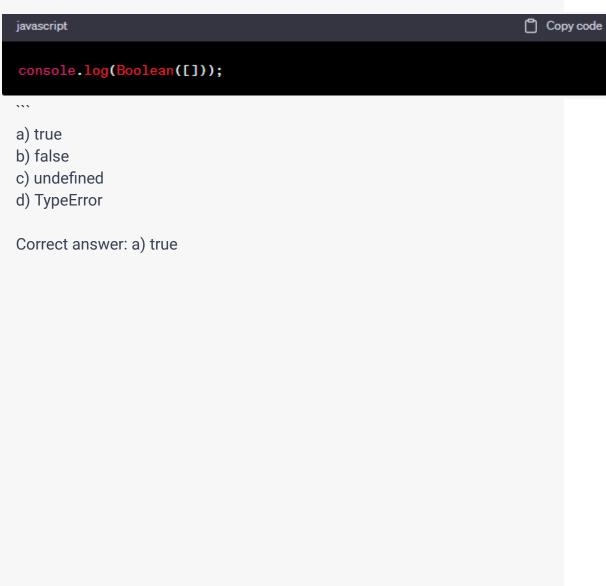
54. What will be the output of the following code? arduino Copy code console.log(+"2" - "1"); ... a) 1 b) "1" c) 2 d) "21" Correct answer: a) 1 55. Which of the following is the correct way to check if a variable is an array in JavaScript? a) isArray() b) isTypeOf() c) typeOfArray() d) checkArray() Correct answer: a) isArray() 56. What will be the output of the following code? Copy code javascript 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?



```
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?	I
a) findIndex() b) search() c) indexOf() d) lastIndexOf()	
Correct answer: d) lastIndexOf()	
68. What will be the output of the following code?	
javascript 🖺 C	opy code
<pre>console.log(Boolean(""));</pre>	
a) true b) false c) undefined d) TypeError  Correct answer: b) false	

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```
javascript

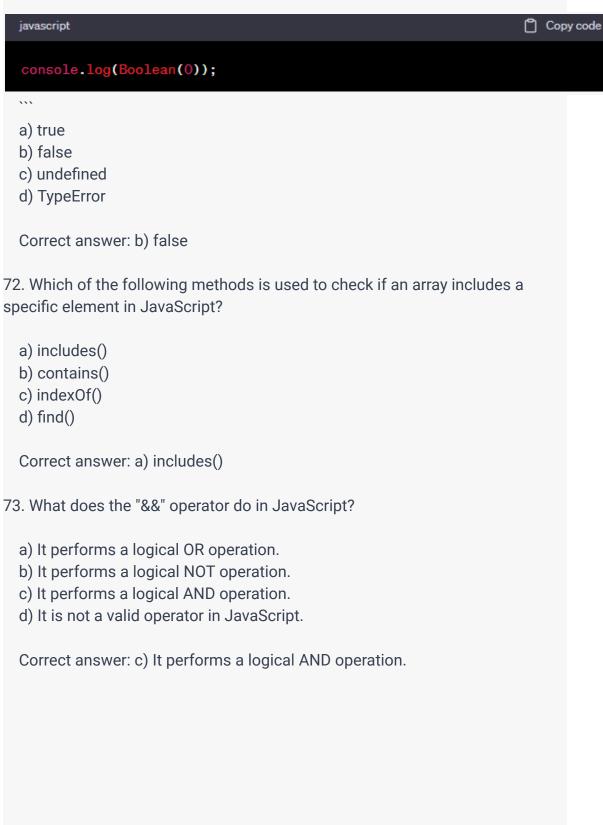
var x = 5;
function foo() {
  console.log(x);
  var x = 10;
  console.log(x);
}
foo();
```

- 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()



74. What will be the output of the following code? Copy code arduino 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	<u></u>	opy code
<pre>console.log(Boolean(null));</pre>		
a) true b) false		
c) undefined		
d) TypeError		
Correct answer: b) false		

```
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()
```