JavaScript

1.Which of the following is a correct syntax to display "Hello World" in an alert box using JavaScript?
A. alertBox('Hello World');
B. alert('Hello World');
C. msgAlert('Hello World');
D. displayAlert('Hello World');
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Q2 What is the purpose of JavaScript in web development?
A. To structure web pages
B. To style web pages
C. To add interactivity and dynamic content to web pages
D. To store data on the server
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Q3 Which keyword is used for declaring a variable in JavaScript that can be reassigned?
A. const
B. var
C. let
D. static
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Q4 In JavaScript, which of the following is a valid variable name?
A. 2names
B. $name
C. -name
D. name2
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Q5 Which data type in JavaScript is used to represent logical values?
A. String
B. Boolean
C. Number
D. Undefined
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Q6 What does the undefined value in JavaScript represent?
A. An unassigned variable
B. A null value
C. A logical false
D. An error condition
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Q7 What will be the output of the following code?
console.log(typeof null);
A. 'object'
B. 'null'
C. 'undefined'

D. 'number'

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Q8 Which of the following is an example of a loosely typed language?

A. Java

B. C++

C. JavaScript

D. Python

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Q9 Which operator is used to check both the value and the type of a variable in JavaScript?

A. ==

B. ===

C. !=

D. !==

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Q10 What is the output of the following code snippet?

var a = 10;

console.log(a);

A. 10

B. '10'

C. undefined

D. null

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Q11 What is the output of the following code snippet?

let x = 'Hello';

let y = 'World';

console.log(x + ' ' + y);

A. HelloWorld

B. 'Hello World'

C. 'Hello' 'World'

D. Hello World

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Q12 Which statement is used to execute a block of code multiple times in JavaScript?

A. for

B. if

C. return

D. break

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Q13 What does the if statement in JavaScript do?

A. Declares a variable

B. Executes a block of code based on a condition

C. Prints a message to the console

D. Loops through a block of code

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Q14 Which of the following is not a loop structure in JavaScript?

A. while
B. for
C. if
D. do-while
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Q15 In a switch statement, what keyword is used to terminate a case in JavaScript?
A. end
B. break
C. stop
D. exit
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Q16 What will be the output of the following code?
let a = 2;
if(a > 3) {
    console.log('Yes');
} else {
    console.log('No');
}
A. Yes
B. No
C. Undefined
D. Error
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Q17 In a for loop, what are the three optional expressions, separated by semicolons?
A. Initializer, Condition, Incrementer
B. Condition, Incrementer, Initializer
C. Incrementer, Initializer, Condition
D. Condition, Initializer, Incrementer
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Q18 What is the output of this code snippet?
for (let i = 0; i < 3; i++) {
    console.log(i);
}
A. 012
B. 123
C. 0-1-2
D. 1-2-3
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Q19 Consider the following code:
let x = 5;
let result = (x > 3) ? 'Yes' : 'No';
console.log(result);
What is the output?
A. 'Yes'

B. 'No'

C. true

D. false

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Q20 Identify the problem in this code:

let i = 0;

while (i < 3) {

   console.log(i);

}

A. Infinite loop

B. Syntax error

C. Logical error

D. No output

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Q21 Find the error in the following code:

for (let i = 0; i <= 5; i++) {

   if(i % 2 == 0) continue;

   console.log(i);

}

A. It doesn't print any number

B. It only prints odd numbers

C. It only prints even numbers

D. Syntax error

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Q22 What is the purpose of a function in JavaScript?

A. To store data

B. To repeat a task multiple times

C. To encapsulate code that performs a specific task

D. To create web pages

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Q23 How do you define a function in JavaScript?

A. function = myFunc() {}

B. function: myFunc() {}

C. function myFunc() {}

D. myFunc() = function {}

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Q24 What will be the output of this function call?

function sum(a, b) {

   return a + b;

}

console.log(sum(3, 4));

A. 3

B. 4

C. 7

D. Error

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Q25 In JavaScript, what is a callback function?

A. A function that runs after the page loads

B. A function passed as an argument to another function

C. A function that calls itself

D. A function that performs an HTTP request

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Q26 Which of the following is true about arrow functions in JavaScript?

A. They do not have their own this context

B. They can be used as constructors

C. They must have a return statement

D. They are the same as traditional functions

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Q27 What is the result of trying to extend the length of an array using a function in JavaScript?

```javascript
function extendArray(arr) {
    arr.push(5);
}
let myArr = [1, 2, 3];
extendArray(myArr);
console.log(myArr.length);
```

A. 3

B. 4

C. 5

D. Error

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Q28 Consider the following code snippet:

```javascript
function greet() {
    return 'Hello World';
}
console.log(greet());
```

What is the output?

A. 'greet'

B. 'Hello World'

C. undefined

D. Error

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Q29 What does the following function return?

```javascript
function checkEven(number) {
    return number % 2 === 0;
}
console.log(checkEven(3));
```

A. true

B. false

C. 3

D. Error

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Q30 Identify the error in this function:

function multiply(a, b) {

   console.log(a * b);

}

A. It does not return any value

B. It returns the wrong value

C. Syntax error

D. No error