

JavaScript Software House Screening

Test (2026 Edition)

Student Name: _____ Instructor Name: _____

(Advanced + Tricky + Real Interview Style MCQs)

1 **What will this output? console.log(typeof null) ;**

- A) null
 - B) undefined
 - C) object
 - D) number
-

2 **What is the difference between == and ===?**

- A) No difference
 - B) == checks value, === checks value + type
 - C) === slower
 - D) == safer
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3 **What is hoisting?**

- A) Moving variables to bottom
 - B) JS automatically moves declarations to top
 - C) Function execution
 - D) DOM loading
-

4 **Which is block-scoped?**

- A) var
- B) let
- C) Both
- D) None

5□ What happens here?

```
let a = 5;  
{  
    let a = 10;  
}  
console.log(a);
```

- A) 10
 - B) 5
 - C) undefined
 - D) Error
-

6□ What is closure?

- A) Function inside function
 - B) Function remembering outer scope
 - C) Object method
 - D) Loop inside function
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7□ What does `this` refer to in regular function (browser)?

- A) null
 - B) window
 - C) document
 - D) function itself
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8□ Arrow functions differ because:

- A) They are faster
 - B) They don't have their own `this`
 - C) They cannot return
 - D) They are deprecated
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9 □ What is event bubbling?

- A) Event moves downward
 - B) Event moves upward in DOM
 - C) Event reloads page
 - D) Event deletes node
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10 Which method converts JSON string to object?

- A) JSON.parse()
 - B) JSON.stringify()
 - C) JSON.object()
 - D) JSON.convert()
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11 □ What does `setTimeout(fn, 0)` mean?

- A) Runs instantly
 - B) Runs after call stack clears
 - C) Never runs
 - D) Blocks code
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12 □ What is a Promise?

- A) Loop
 - B) Object representing future completion
 - C) API call
 - D) Callback
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13 □ What are `async/await` built on?

- A) Loops
 - B) Callbacks
 - C) Promises
 - D) Objects
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14 □ What does `Array.map()` return?

- A) Same array
 - B) Modified original array
 - C) New array
 - D) Boolean
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15 □ Difference between `null` and `undefined`?

- A) Same
 - B) `null` = intentional empty, `undefined` = not assigned
 - C) `undefined` faster
 - D) `null` error
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16 □ What will this output?

```
console.log(0.1 + 0.2 === 0.3);
```

- A) true
 - B) false
 - C) Error
 - D) undefined
-

17 □ What is DOM?

- A) Database
 - B) CSS file
 - C) Tree representation of HTML
 - D) Server
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18 □ What is event delegation?

- A) Adding many listeners
 - B) Using parent to handle child events
 - C) Removing events
 - D) Blocking events
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19 □ What is memory leak in JS?

- A) CSS issue
 - B) Unreleased memory
 - C) Syntax error
 - D) API failure
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20 □ What is destructuring?

- A) Breaking object/array into variables
 - B) Deleting object
 - C) Converting to JSON
 - D) Looping
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21 What is difference between synchronous & asynchronous?

- A) No difference
 - B) Async waits
 - C) Sync blocks, async doesn't
 - D) Async faster always
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22 □ What does `use strict` do?

- A) Speeds up code
 - B) Enables strict parsing & error handling
 - C) Blocks async
 - D) Stops browser
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23 □ What is difference between `forEach` and `map`?

- A) Same
 - B) map returns new array
 - C) forEach returns new array
 - D) Both return boolean
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24 □ What is debouncing?

- A) Fast looping
 - B) Limiting function execution rate
 - C) CSS trick
 - D) Promise chaining
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25 □ What is throttling?

- A) Block execution completely
 - B) Limit execution to fixed interval
 - C) Delete function
 - D) Convert to async
-

26 What will happen?

```
console.log([] == false);
```

- A) true
 - B) false
 - C) Error
 - D) undefined
-

27 What is call stack?

- A) Array
 - B) Execution order stack
 - C) Database
 - D) Event listener
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🏆 Professional Closing Line

“If you survived hoisting, closures, promises, and the event loop... welcome to real JavaScript development.”

