

1. Which keyword is used to declare a variable in JavaScript?

- A) var
- B) let
- C) const
- D) All of the above ☒

2. What will happen if you declare a variable with **const** and try to reassign it?

- A) It will work normally
- B) It will throw an error ☒
- C) It will be ignored
- D) It will create a new variable

3. What is the result of **5 == "5"**?

- A) true ☒
- B) false
- C) NaN
- D) undefined

4. What is the result of **5 === "5"**?

- A) true
- B) false ☒
- C) NaN
- D) undefined

5. Which operator is used for logical AND in JavaScript?

- A) &
- B) && ☒
- C) ||
- D) !

6. What will **true || false** evaluate to?

- A) true ☒
- B) false
- C) null
- D) undefined

7. What is the output of **false && true**?

- A) true
- B) false ☒
- C) undefined
- D) null

8. What does the **if** statement do?

- A) Executes code if a condition is false

- B) Executes code if a condition is true ✓
- C) Runs code in all cases
- D) Declares a function

9. How do you write an `if-else` statement in JavaScript?

- A) `if condition then {} else {}`
- B) `if (condition) {} else {}` ✓
- C) `if condition {} elseif {}`
- D) `if else condition {}`

10. What will `if (0)` evaluate to?

- A) true
- B) false ✓
- C) undefined
- D) null

11. What does a `for` loop do?

- A) Loops until a condition is met ✓
- B) Executes once
- C) Loops forever
- D) Runs code randomly

12. What is the correct syntax for a `for` loop?

- A) `for i = 0; i < 10; i++ {}`
- B) `for (i = 0, i < 10, i++) {}`
- C) `for (let i = 0; i < 10; i++) {}` ✓
- D) `for [i = 0; i < 10; i++] {}`

13. What is the difference between a `while` loop and a `for` loop?

- A) A `while` loop always runs once
- B) A `for` loop runs forever
- C) A `while` loop runs while a condition is true ✓
- D) A `for` loop can only loop a fixed number of times

14. What does `break` do in a loop?

- A) Skips an iteration
- B) Stops the loop completely ✓
- C) Restarts the loop
- D) Causes an error

15. What does `continue` do in a loop?

- A) Skips an iteration ✓
- B) Stops the loop

- C) Restarts the loop
- D) Exits the function

16. How can you exit an infinite loop?

- A) Using `break` ✓
- B) Using `continue`
- C) Using `return`
- D) You can't exit an infinite loop

17. What is the output of `console.log(3 > 2 && 2 > 1);`?

- A) `true` ✓
- B) `false`
- C) `NaN`
- D) `undefined`

18. What is the output of `console.log(3 > 2 || 2 > 5);`?

- A) `true` ✓
- B) `false`
- C) `NaN`
- D) `undefined`

19. What happens if an `else` statement does not have an `if` before it?

- A) It throws an error ✓
- B) It runs normally
- C) It is ignored
- D) It works as an `if` statement

20. What does `do...while` loop guarantee?

- A) The loop will run at least once ✓
- B) The loop will run only if the condition is true
- C) The loop runs infinitely
- D) The loop cannot be exited