

Integration of JavaScript in HTML

1. Where can JavaScript be written inside an HTML file?

- A. Only in the <body> section
- B. Only in the <head> section
- C. In both <head> and <body>
- D. Only in external .js files

2. Which tag is used to link an external JavaScript file?

- A. <link src="...">
- B. <script href="...">
- C. <script src="...">
- D. <js src="...">

3. What will the following line do? alert('wrong password')

- A. Prints a message to the console
- B. Displays a warning popup box
- C. Takes user input
- D. Confirms an action

4. Which function is used to take input from the user?

- A. alert()
- B. confirm()
- C. prompt()
- D. input()

5. What does document.write() do?

- A. Writes output to the console
- B. Opens a popup box
- C. Writes content to the HTML document
- D. Saves data to a file

JavaScript Variables (var, let, const)

6. What is the scope of a variable declared with var?

- A. Global
- B. Function
- C. Block
- D. Module

7. What will happen if you redeclare a let variable in the same scope?

- A. It will be overwritten
- B. It will cause an error
- C. It will be ignored
- D. It will create a new variable

8. Which keyword ensures a variable cannot be reassigned?

- A. var
- B. let
- C. const
- D. final

9. What is the output of the following code?

```
var num1 = 10;
```

```
var num1 = 20;
```

```
document.write(num1);
```

- A. 10
- B. 20
- C. Error
- D. undefined

10. Which variable declaration method is hoisted with undefined?

- A. let
- B. const

- C. var
- D. All of the above

Scope of var, let, and const

11. What will the following code print?

```
var x = 10;  
  
{  
  var x = 20;  
}  
  
document.write(x);
```

- A. 10
 - B. 20
 - C. Error
 - D. undefined
12. What is the block scope behavior of let and const?
- A. They are accessible everywhere
 - B. They are only accessible within the block they are defined in
 - C. They are accessible only in functions
 - D. They are not scope-restricted

13. What happens when you redeclare a const variable?

- A. It overwrites the value
- B. It gives a warning
- C. It gives a syntax error
- D. It ignores redeclaration

14. Which one is true about let and const?

- A. Both are globally scoped
- B. Both allow redeclaration

C. Both support block scope

D. Both can be reassigned

15. Which output is correct for the following block?

```
const myNum = 70;  
  
{  
  const myNum = 100;  
  console.log(myNum);  
}  
  
console.log(myNum);
```

A. 70 and 70

B. 100 and 100

C. 100 and 70

D. Error

Lexical Scope and Unary Operators

16. Lexical scope in JavaScript means:

A. Scope depends on where the function is called

B. Scope is determined by where variables are declared

C. Variables have no scope

D. All variables are global

17. What is the result of let a = 10; ++a;

A. 10

B. 11

C. 9

D. Error

18. Which of the following is a post-increment operator?

A. ++a

B. --a

C. a++

D. a--

19. What is the output of --a1 if a1 = 11?

A. 11

B. 12

C. 10

D. Error

20. What will happen if you use z2 outside its block where it's declared with let?

A. Will return undefined

B. Will work as expected

C. Will throw ReferenceError

D. Will be null