

1 Explain the difference between the == and === operators in JavaScript.

- A) == compares values; === compares values and types
- B) == compares values and types; === compares only values
- C) == compares objects; === compares arrays
- D) == compares strings; === compares numbers

2 How do you ensure accessibility compliance when integrating JavaScript libraries into web applications?

- A) By ignoring accessibility guidelines
- B) By following web accessibility standards, using ARIA roles, and testing with screen readers and other assistive technologies
- C) By using only plain HTML
- D) By minimizing the use of JavaScript

3 What are single-line and multi-line comments in JavaScript? How do you comment out code?

- A) // for single-line, /* */ for multi-line
- B) <!-- --> for single-line, <!-- --> for multi-line
- C) # for single-line, “” ”” for multi-line
- D) // for single-line, /**/ for multi-line

4 Which image format supports transparency and is commonly used for web graphics and images with transparent backgrounds?

- A) PSD
- B) PNG
- C) JPG
- D) GIF

5 What are logical operators?

- A) + - *, / B) &&, ||, ! C) ==, !=, ===, !== D) if, else, switch

6 Select the basic data types in JavaScript

- A) Number, String, Boolean, Object, Array
- B) Number, String, Boolean, Undefined, Null, Object
- C) Integer, Float, String, Boolean, Object
- D) Char, String, Boolean, Object, Array

7 How do you use the break statement in loops and switches in JavaScript?

- A) To pause execution
- B) To terminate a loop or switch
- C) To skip an iteration
- D) To continue execution

8 What are arithmetic Operators in JavaScript? Provide examples.

- A) +, -, *, / B) +, -, *, /, &&, ||
- C) ++, --, +=, -= D) =, ===, !=, !==

9 How do you display output in JavaScript?

- A) Using print() B) Using alert()
- C) Using console.log() D) Using document.write()

10 How do you check the data type of a variable in JavaScript?

- A) typeof variable
- B) instanceof variable
- C) variable.type D) check Typeteantiog

11 Which keyword is used to declare a variable in JavaScript?

- a) var
- b) variable c)v d) let

12 Which built-in method is used to convert a string to an integer in JavaScript?

- a) parseInt() b) toInteger()
- c) convertToInt() d) string ToInt()

13 Which operator is used for strict equality comparison in JavaScript?

- a) == b) != c) === d) !==

14 What is the purpose of Tailwind CSS and how does it differ from other CSS frameworks like Bootstrap?

- A) Tailwind CSS is a JavaScript framework
- B) Tailwind CSS is a utility-first CSS framework that provides low-level utility classes, while Bootstrap provides pre-designed components.
- C) Tailwind CSS is used for server-side scripting
- D) Tailwind CSS is a database management tool

15 Which function is used to output data to the console in JavaScript?

a) print() b) log() c) display() d) console.log()

16 Can you explain the basic purpose of FTP (File Transfer Protocol) software in web development?

17 How do you handle conditional statements in JavaScript?

18 How do you create HTML login form with submit button?

19 How does an interactive website differ from static and dynamic websites?

20 Which code editor do you prefer for web design and development projects, and why?

21 What is the difference between innerText and innerHTML in JavaScript?

22 When should I consider using SVG images?

23 How do you create functions in JavaScript?

24 How do you access arrays and objects and their elements/properties?

25 How do you create an ordered list in HTML?

26 What is an ID selector in CSS?

27 Can you explain the difference between for loop, while loop, and do-while loop?

28 How do you apply multiple CSS classes to a single HTML element?

29 What are arrays and objects in JavaScript?

30 What is the Document Object Model (DOM) in JavaScript?