

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) cheek Type teantiog

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) tolnteger()
- c) convertTolnt() d) string Tolnt()

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?