

1 How do you generate random numbers in Java Script?

- a) Using `math.random()` c) Using `getrandom()`
- b) Using `random()` d) Using `generate random()`

2 How do you create a multiline string in JavaScript?

- a) Using double quotes **b) Using backticks**
- c) Using parentheses d) Using single quotes

3 What are the `let`, `const`, and `class` keywords introduced in ES6? How do they differ from their ES5 counterparts?

- a) `let` for block-scoped variables, `const` for constants, `class` for classes**
- b) `let` for global variables, `const` for constants, `class` for functions
- c) `let` for functions, `const` for block-scoped variables, `class` for arrays
- d) `let` for objects, `const` for global variables, `class` for constants

4 What is jQuery and what is its main purpose in web development?

- A) A CSS framework
- B) A JavaScript library for simplifying HTML DOM manipulation, event handling, and animation**
- C) A backend framework
- D) A database management system

5 What is the purpose of the "alt" attribute in HTML image tags?

- a) It specifies the alignment of the image.
- b) It defines the size of the image.
- c) It provides alternative text for the image for accessibility.**
- d) It controls the animation of the image.

6 What is Bootstrap and what role does it play in web design?

- A) A JavaScript framework
- B) A CSS framework for building responsive and mobile-first websites**
- C) A database management system
- D) A server-side scripting language

7 Which CSS property is used to control the spacing between lines of text?

- a) `text-spacing` c) `letter-spacing`
- b) `line-spacing` **d) `line-height`**

8 What does the "float" property in CSS do?

a) It controls the alignment of text within an element.

b) It removes an element from the normal flow of the document and positions it to the left or right of its containing element.

c) It makes an element visible or hidden.

d) It rotates an element clockwise or counterclockwise.

9 What does the "z-index" property in CSS control?

a) It controls the size of an element.

b) It controls the position of an element in the stacking order.

c) It controls the opacity of an element.

d) It controls the rotation of an element.

10 Which HTML tag is used to define a table row?

a) <tr> c) <th>

b) <td> d) <table>

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

a) var c) v

b) variable d) let

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

a) == c) ===

b) != d) !=

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

a) print() c) display()

b) log() **d) console.log()**

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

a) parseInt () c) convert Toint()

d) string Tolnt() b) toInteger()

15 What does the method querySelector() do in JavaScript?

a) at selects multiple elements based on a class name.

b) It selects the first element based on a CSS selector.

c) It selects an element based on its ID.

d) It selects all elements of a specific tag name.

16 How do VPNs (Virtual Private Networks) enhance intranet security and connectivity?

VPNs encrypt data, making it secure during transmission. They allow remote access to intranet resources by creating a

secure, private connection over the internet.

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

Static websites are fixed and show the same content to all users.

Dynamic websites fetch content dynamically from a database based on user interactions.

Interactive websites provide richer engagement, allowing user input and interactive elements like forms, animations,

and real-time updates

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

Examples include VS Code for its flexibility, extensions, and debugging tools, or Sublime Text for its lightweight performance.

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

FTP is used to transfer files between a local computer and a web server, making it essential for uploading and managing

website content.

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

```
<form action="/submit-login" method="POST">  
<label for="username">Username:</label>  
<input type="text" id="username" name="username">  
<label for="password">Password:</label>  
<input type="password" id="password" name="password">  
<button type="submit">Login</button>  
</form>
```

21 When should I consider using SVG images?

Use SVGs for scalable graphics like icons and logos because they maintain quality at any resolution and are lightweight.

22 What is an ID selector in CSS?

An ID selector targets a specific element using its unique ID, prefixed with # in CSS.

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

```
<div class="class1 class2"></div>
```

24 How do you create functions in JavaScript?

```
function greet(name) {  
  return `Hello, ${name}!`;  
}
```

25 Can you explain the difference between function declarations and function expressions?

Function Declaration: Defined with function keyword and hoisted

Function Expression: Stored in a variable and not hoisted.

26 What are arrays and objects in JavaScript?

Array: Ordered collection of elements.

Example: [1, 2, 3]

Object: Key-value pairs.

Example: { name: "Alice", age: 25 }

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28 Can you explain the difference for loop, while loop and do while loop?

For loop: Executes a set number of times

While loop: Runs while a condition is true.

Do-while loop: Executes at least once, then checks the condition.

29 How do you handle conditional statement in java script?

Using if-else, switch, or ternary operators.

30 How do you create new Google Sheet in your Google Drive

Open Google Drive.

Click New > Google Sheets. Name and customize your sheet.