**JavaScript First Test**

Our First JavaScript Test in this test we are covering these topics and the topics are "Introduction to JavaScript," "All about Variables," "Data Types," and "Type Casting."

### Introduction to JavaScript

1. \*\*Which of the following is the correct syntax to include an external JavaScript file in HTML?\*\*

- A. `<script name="myscript.js"></script>`

- B. `<script src="myscript.js"></script>`

- C. `<script href="myscript.js"></script>`

- D. `<script link="myscript.js"></script>`

2. \*\*What will the following code print to the console?\*\*

```javascript

console.log("Hello, World!");

```

- A. `Hello`

- B. `World`

- C. `Hello, World!`

- D. `undefined`

3. \*\*Which of the following is the correct way to write a comment in JavaScript?\*\*

- A. `<!-- This is a comment -->`

- B. `// This is a comment`

- C. `/\* This is a comment \*/`

- D. Both B and C

4. \*\*What is the output of the following code?\*\*

```javascript

alert("Hello, World!");

```

- A. Displays a dialog box with "Hello, World!"

- B. Logs "Hello, World!" to the console

- C. Throws an error

- D. Does nothing

5. \*\*Which of the following is true about JavaScript?\*\*

- A. JavaScript is a server-side scripting language.

- B. JavaScript is an interpreted language.

- C. JavaScript is the same as Java.

- D. JavaScript is a compiled language.

### All About Variables

6. \*\*Which keyword is used to declare a variable in JavaScript?\*\*

- A. `var`

- B. `let`

- C. `const`

- D. All of the above

7. \*\*What will the following code output?\*\*

```javascript

var x = 10;

var y = "10";

console.log(x == y);

```

- A. `true`

- B. `false`

- C. `undefined`

- D. `null`

8. \*\*Which of the following will create a constant variable?\*\*

- A. `const PI = 3.14;`

- B. `let PI = 3.14;`

- C. `var PI = 3.14;`

- D. `constant PI = 3.14;`

9. \*\*What is the scope of a variable declared with `let` inside a block?\*\*

- A. Global scope

- B. Function scope

- C. Block scope

- D. Script scope

10. \*\*What will the following code output?\*\*

```javascript

let x = 5;

x = 10;

console.log(x);

```

- A. `5`

- B. `10`

- C. `undefined`

- D. `null`

### Data Types

11. \*\*Which of the following is not a primitive data type in JavaScript?\*\*

- A. String

- B. Number

- C. Boolean

- D. Object

12. \*\*What is the output of the following code?\*\*

```javascript

console.log(typeof "Hello");

```

- A. `string`

- B. `number`

- C. `boolean`

- D. `object`

13. \*\*Which of the following is the correct way to declare an array in JavaScript?\*\*

- A. `var arr = "1, 2, 3";`

- B. `var arr = [1, 2, 3];`

- C. `var arr = (1, 2, 3);`

- D. `var arr = {1, 2, 3};`

14. \*\*What will the following code output?\*\*

```javascript

let obj = {name: "John", age: 30};

console.log(typeof obj);

```

- A. `string`

- B. `number`

- C. `boolean`

- D. `object`

15. \*\*Which of the following is true about `null` and `undefined` in JavaScript?\*\*

- A. Both represent the absence of a value.

- B. `null` is an object, while `undefined` is a type.

- C. Both are equal in value and type.

- D. `null` is automatically assigned to variables that have been declared but not initialized.

### Type Casting

16. \*\*What is the output of the following code?\*\*

```javascript

console.log(Number("123"));

```

- A. `123`

- B. `"123"`

- C. `NaN`

- D. `null`

17. \*\*Which of the following methods can be used to convert a string to an integer?\*\*

- A. `parseInt()`

- B. `Number()`

- C. `parseFloat()`

- D. All of the above

18. \*\*What will the following code output?\*\*

```javascript

console.log(Boolean(0));

```

- A. `true`

- B. `false`

- C. `null`

- D. `undefined`

19. \*\*Which of the following values will evaluate to `true` in a Boolean context?\*\*

- A. `0`

- B. `""` (empty string)

- C. `null`

- D. `"false"` (non-empty string)

20. \*\*What will the following code output?\*\*

```javascript

let num = 15;

console.log(num.toString());

```

- A. `15`

- B. `"15"`

- C. `undefined`

- D. `null`

21. \*\*What is the result of the following code?\*\*

```javascript

let value = "5.5";

console.log(parseInt(value));

```

- A. `5.5`

- B. `5`

- C. `6`

- D. `NaN`

22. \*\*What will the following code output?\*\*

```javascript

console.log(String(123));

```

- A. `123`

- B. `"123"`

- C. `undefined`

- D. `null`

23. \*\*Which method can be used to convert a string representing a decimal number to a floating-point number?\*\*

- A. `Number()`

- B. `parseFloat()`

- C. `parseInt()`

- D. `toFixed()`

24. \*\*What is the output of the following code?\*\*

```javascript

let str = "123abc";

console.log(Number(str));

```

- A. `123`

- B. `NaN`

- C. `undefined`

- D. `null`

25. \*\*What will the following code output?\*\*

```javascript

let bool = true;

console.log(bool.toString());

```

- A. `true`

- B. `"true"`

- C. `1`

- D. `"1"`