

# JAVASCRIPT EXAM (CONSOLE.LOG(DATE()))

DATE:- 12-07-2023

TIME: 2:10 PM TO 4:00 PM

TOTAL MARKS: 78

1. What is JavaScript?
2. What are JavaScript Data Types?
3. Is it possible to break JavaScript Code into several lines?
4. What are undeclared and undefined variables?
5. Write the code for adding new elements dynamically?
6. What are global variables? How are these variables declared?
7. What is a prompt box?
8. What is the === operator?
9. Difference between "==" and "==="?
10. What would be the result of 3+2+"7"?
11. What is an undefined value in JavaScript?
12. What are all the types of Pop up boxes available in JavaScript?
13. What is the difference between an alert box and a confirmation box?
14. What a pop() method in JavaScript is?
15. What are break and continue statements?
16. What is the use of a type of operator?
17. What are the different types of errors in JavaScript?
18. What is the unshift method in JavaScript?
19. What is the difference between JavaScript and Jscript?
20. How can you create an Array in JavaScript?
21. What are the scopes of a variable in JavaScript?
22. What is the difference between null & undefined?

### 23. Which is a more efficient JavaScript code snippet?

<b>Code 1 :</b>  <pre>// for loop in javascript for(var num=10;num&gt;=1;num--) {     document.write(num); }</pre>	<b>Code 2 :</b>  <pre>var num=10; while(num&gt;=1) {     document.write(num);     Num++; }</pre>
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- a) Code 1
- b) Code 2
- c) Both Code 1 and Code 2
- d) Cannot Compare

### 24. What happens in the following JavaScript code snippet?

<pre>var js = 0; while (js &lt; 10) {     console.log(js);     Js++; }</pre>	<ul style="list-style-type: none"><li>a) An exception is thrown</li><li>b) The values of js are logged or stored in a particular location or storage</li><li>c) The value of js from 0 to 9 is displayed in the console</li><li>d) An error is displayed</li></ul>
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### 25. What will be the output of the following JavaScript code?

<pre>var quiz=[1,2,3]; var js=[6,7,8]; var result=quiz.concat(js); document.write(result);</pre>	<ul style="list-style-type: none"><li>a) 1, 2, 3, 6, 7, 8</li><li>b) 123</li><li>c) 1, 2, 3</li><li>d) Error</li></ul>
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26. What will be the output of the following JavaScript code?

<pre>int a=0; for(a;a&lt;5;a++); console.log(a);</pre>	<ul style="list-style-type: none"><li>a) 4</li><li>b) 5</li><li>c) 0</li><li>d) error</li></ul>
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27. Which of the following is not a framework?

- a) JavaScript .NET
- b) JavaScript
- c) Cocoa JS
- d) jQuery

28. What will be the output of the following JavaScript code?

<pre>int sanfoundry=1; char javascript=1; if(sanfoundry.toString()===javascript)     return true; else     return false;</pre>	<ul style="list-style-type: none"><li>a) runtime error</li><li>b) logical error</li><li>c) true</li><li>d) false</li></ul>
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29. What will the code below output to the console and why?

```
var a = b = 3;

console.log("a defined? " + (typeof a !== 'undefined'));
console.log("b defined? " + (typeof b !== 'undefined'));
```

30. What will the code below output? Explain your answer.

```
console.log(0.1 + 0.2);

console.log(0.1 + 0.2 == 0.3);
```

**31. What will the code below output to the console and why?**

```
var arr1 = "john".split("");  
  
var arr2 = arr1.reverse();  
  
var arr3 = "jones".split("");  
  
arr2.push(arr3);  
  
console.log("array 1: length=" + arr1.length + " last=" + arr1.slice(-1));  
  
console.log("array 2: length=" + arr2.length + " last=" + arr2.slice(-1));
```

**32. What will the code below output to the console and why ?**

```
console.log(1 + "2" + "2");  
  
console.log(1 + +"2" + "2");  
  
console.log(1 + -"1" + "2");  
  
console.log(+ "1" + "1" + "2");  
  
console.log( "A" - "B" + "2");  
  
console.log( "A" - "B" + 2);
```

**33. What will be the output when the following code is executed? Explain.**

```
console.log(false == '0')  
  
console.log(false === '0')
```

**34. What do the following lines output, and why?**

```
console.log(1 < 2 < 3);  
  
console.log(3 > 2 > 1);
```

**35. Imagine you have this code:**

```
var a = [1, 2, 3];
```

a) Will this result in a crash?

```
a[10] = 99;
```

b) What will this output be ?

```
console.log(a[6]);
```

**36. Write all string methods in javascript without examples.**

**37. Write a javascript array method shift() and unshift() with examples.**

**38. Difference var , let and const?**

**39. Write all Math methods in javascript without examples.**