**Quiz**

1.What will be the output of the following code?

console.log(2 + "2");

a) 4  
b) 22  
c) "22"  
d) NaN

Answer: c) "22"

2. What is the purpose of the `let` keyword in JavaScript?

a) Declares a variable with block scope  
b) Declares a constant variable  
c) Declares a variable with function scope  
d) Declares a variable with global scope

Answer: a) Declares a variable with block scope

3. What does the `typeof` operator return for the `null` value?

a) "undefined"  
b) "null"  
c) "object"  
d) "number"

Answer: c) "object"

4. How do you create a new array in JavaScript?

a) new Array()  
b) []  
c) Array()  
d) {}

Answer: b) []

5. What will be the output of the following code?

const x = 5;

console.log(x++ + ++x);

a) 11  
b) 12  
c) 13  
d) 14

Answer: c) 13

6. How can you check if a variable is an array?

a) Using typeof  
b) Using Array.isArray()  
c) Using instanceof Array  
d) All of the above

Answer: b) Using Array.isArray()

7. What does the `map` function do in JavaScript?

a) Modifies elements of an array in place  
b) Creates a new array with the results of calling a provided function on every element  
c) Concatenates two arrays  
d) Removes elements from an array

Answer: b) Creates a new array with the results of calling a provided function on every element

Answer: d) All of the above

8. How do you remove the last element from an array?

a) arr.removeLast()  
b) arr.pop()  
c) arr.splice(-1, 1)  
d) arr.slice(-1)

Answer: b) arr.pop()

9. What is the purpose of the `this` keyword in JavaScript?

a) Refers to the current function  
b) Refers to the global object  
c) Refers to the object that is executing the current function  
d) Refers to the prototype object

Answer: c) Refers to the object that is executing the current function

10. What is the purpose of the `bind` method in JavaScript?

a) Binds a function to an event  
b) Binds a function to a specific object, allowing this to be set  
c) Binds a function to a variable  
d) Binds a function to the global object

Answer: b) Binds a function to a specific object, allowing this to be set

11. What is the purpose of the `querySelector` method in JavaScript?

a) Selects the first element with a specified class name  
b) Selects the first element with a specified tag name  
c) Selects the first element that matches a specified CSS selector  
d) Selects all elements with a specified class name

Answer: c) Selects the first element that matches a specified CSS selector

12.What does the `JSON.stringify()` method do in JavaScript?

a) Parses a JSON string  
b) Converts a JavaScript object to a JSON string  
c) Converts a JSON string to a JavaScript object  
d) Compares two JSON objects

Answer: b) Converts a JavaScript object to a JSON string