**JAVASCRIPT BASIC & DOM**

1. What is JavaScript?

-> JavaScript is a programming language commonly used for web development.

2. What is the use of is NaN function?

-> NaN stands for Not a Number. It is a special value that represents the result of an operation that cannot produce a meaningful numeric result.

->Exmple:-

isNaN(NaN); // true

isNaN(123); // false

3. What is negative Infinity?

-> The NEGATIVE\_INFINITY is the same as the negative of a global object's Infinity property. It is the value that is lower than any number in JavaScript.

Example:-

Value=Number.NEGATIVE\_INFINITY;

Console.log(value);//=Infinity

4.Which company developed JavaScript?

->Javascript was developed by Netscape Communications corporation,with Brendan Eich being the primary creator.It was originally named Mocha, then briefly LiveScript, before finally being renamed javascript.

6. What are undeclared and undefined variables?

->1.**Undefined Variables**: -

An undefined variable occurs when a variable has been declared but hasn’t been assigned any value.

->Example:

let geek; // Declared but not assigned a value

console.log(geek); // Output: undefined

**2.Undeclared Variables**:

->An undeclared variable occurs when we try to access a variable that hasn’t been initialized or declared earlier using var or const.

Console.log(x): //x is not defined

7. What is the difference between ViewState and SessionState?

->

|  |  |
| --- | --- |
| ViewState | SessionState |
| * View state management is on the client side. | * Session state management is on the server side. |
| * Data is accessible within the same web page. | * Data is accessible from other web pages of the website. |
| * Loss of information occurs when different web page is loaded. | * Loss of information occurs due to timeout. |
| * Data is stored in hidden field of the same web page. | * Data is stored in sessions and cookies. |
| * It’s less secure. | * It’s more secure. |

8. What is === operator?

-> The strict equality (===) operator checks whether its two operands are equal, returning a Boolean result.

Example:-

<script>

Console.log(5===5);//output: true

Console.log(5===’5’)//output:false

</script>

9. How can the style/class of an element be changed?

->we can change the style or CSS of an element by accessing its ‘style’ property and setting specific CSS properties.

10. How to read and write a file using JavaScript?

->In normal javascript we use in browser, we don’t have acess to file system .for that we need to install node js inside which we can use fsmodule to acess file system .

11. What are all the looping structures in JavaScript?

->1.for loop:-Executes a block of code a specified number of times.

2.while loop:- Executes a block of code as long as a specified condition is true.

3.do… while loop:- Similar to the while loop,but the condition is evaluated after executing the block of code.

12. How can you convert the string of any base to an integer in JavaScript?

-> the ‘parseInt()’ function in javascript to convert a string from any base to an integer.

13. What is the function of the delete operator?

->the delete operator in javascript is used to remove a property from an object

Example:-

Let car={

brad:’Toyota’;

model:’camry’;

year:2022

};

delete car.year;

console.log(car);

//output:- brad:’Toyota’;model:’camry’;

14. What are all the types of Pop up boxes available in JavaScript?

-> **Alert Box :** This type of popup box is used to display a message to the user. It typically contains a message and an "OK" button. The user must click "OK" to dismiss the popup.

->Example:-

window.alert(‘hello’);

(2)Confirm Box:-Thisnbox is used to ask for user confirmation.It has OK and Cancel buttons. It returns true if the user click OK and false if the user click Cancel

->Example:-

window.confirm ('Are you sure you want to leave this site ?');

(3)Prompt Box:-

This box is used to get input from the user.it has a text filed OK andcancel buttons .It returns the input value if the user click OK and null if the user clicks Cancel.

->Example:-

Window.prompat('Hey whats your name ?')

15. What is the use of Void (0)?  
->void(0) is use the way to create an expression that evaluates to undefined. It's commonly used in scenarios where you want to create an expression that doesn't produce any side effects but still returns undefined.  
16. How can a page be forced to load another page in JavaScript?

-> In JavaScript we can use window.location object to force a page to load another page. We can use the location object to set the URL of a new page.

Example:-

window.location.href=&quot;https://www.google.com/&quot;