

Assignment-4 [JavaScript basic & Dom]

[1]What is JavaScript?

Ans- JavaScript is the Programming Language for the Web.

Javascript used to change the behaviour of a website.

Client-side scripting language

object-oriented programming approach

DOM (Document Object Model)

[2]What is the use of is Nan function?

Ans-The JavaScript isNaN() Function is used to check whether a given value is an illegal number or not. It returns true if the value is a NaN else returns false. It is different from the Number. isNaN() Method.

[3]What is negative Infinity?

Ans-Negative Infinity is a special numeric value that is returned when an arithmetic operation or mathematical function generates a negative value greater than the largest representable number in JavaScript.

[4] Which company developed JavaScript?

Ans-JavaScript was created at Netscape Communications by Brendan Eich in 1995.

[5]What are undeclared and undefined variables?

Ans- Undefined: It occurs when a variable has been declared but has not been assigned any value. Undefined is not a keyword.

Undeclared: It occurs when we try to access any variable that is not initialized or declared earlier using the var or const keyword.

[6]Write the code for adding new elements dynamically?

Ans-<!DOCTYPE html>

```
<html>
```

```
<body>
```

```
<h2>JavaScript HTML DOM</h2>
```

```
<p>Add a new HTML Element.</p>
```

```
<div id="div1">
```

```
<p id="p1">This is a paragraph.</p>
```

```
<p id="p2">This is another paragraph.</p>
```

```
</div>
```

```
<script>
```

```
const para = document.createElement("p");
```

```
const node = document.createTextNode("This is new.");
```

```
para.appendChild(node);
```

```
const element = document.getElementById("div1");
```

```
element.appendChild(para);
```

```
</script>
```

```
</body>
```

```
</html>
```

[7]What is the difference between ViewState and SessionState?

Ans-The basic difference between these two is that the ViewState is to manage state at the client's end, making state management easy for end-user while SessionState manages state at the server's end, making it easy to manage content from this end too.

[8]What is === operator?

Ans-The (===) operator checks whether its two operands are equal, returning a Boolean result. Unlike the equality operator, the strict equality operator always considers operands of different types to be different.

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

Ans-The class name is used as a selector in HTML which helps to give some value to the element attributes. The document.getElementById() method is used to return the element in the document with the "id" attribute and the "className" attribute can be used to change/append the class of the element.

[10]How to read and write a file using JavaScript?

Ans-There are two ways to do it:

1. Using JavaScript extensions (runs from JavaScript Editor), or
2. Using a web page and ActiveX objects (Internet Explorer only)

In JavaScript Extensions, you can use

fh = fopen(getScriptPath(), 0); to open a file

[11]What are all the looping structures in JavaScript?

Ans-Different Kinds of Loops

for/in - loops through the properties of an object. for/of - loops through the values of an iterable object. while - loops through a block of code while a specified condition is true. do/while - also loops through a block of code while a specified condition is true.

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

Ans-To convert a string to an integer parseInt(), Number(), and Unary operator(+) function is used in javascript. parseInt() function returns Nan(not a number) when the string doesn't contain number. If a string with a number is sent, then only that number will be returned as the output. This function won't accept spaces.

[13]What is the function of the delete operator?

Ans-delete object

// or

delete object.property

// or

delete object['property']

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

Ans-JavaScript has three kind of popup boxes: Alert box, Confirm box, and Prompt box.

[15]What is the use of Void (0)?

Ans-JavaScript void 0 means returning undefined (void) as a primitive value. You might come across the term “JavaScript:void(0)” while going through HTML documents. It is used to prevent any side effects caused while inserting an expression in a web page.

[16]How can a page be forced to load another page in JavaScript?

Ans-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. There are different ways – window.location.href property, window.location.assign() and window.location.replace() methods, to set the URL of a new page using the location object.

[17]What are the disadvantages of using innerHTML in JavaScript?

Ans-Disadvantages of innerHTML

It is very slow because as inner HTML already parses the content even we have to parse the content again so that's why it takes time. When we have used the event handlers then the event handlers are not automatically attached to the new elements created by innerHTML