

Module (JAVASCRIPT BASIC & DOM) – 4

- What is JavaScript?

JavaScript is the **Programming Language** for the Web. JavaScript can update and change both **HTML** and **CSS**. JavaScript can **calculate**, **manipulate** and **validate** data.

- What is the use of is NaN function?

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.

- What is negative Infinity?

The **negative infinity** in JavaScript is a constant value that is used to represent a value that is the lowest available. This means that no other number is lesser than this value. It can be generated using a self-made function or by an arithmetic operation.

- Which company developed JavaScript?

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

- What are undeclared and undefined variables?

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.

- Write the code for adding new elements dynamically?

```
<!DOCTYPE html>
<html>
<head>
<title>Adding HTML elements dynamically</title>
</head>
<body>
  <div id="innerdiv"></div>
  <button id="mybutton">
```

```

    Click to Add HTML element
  </button>
  <script>
    document.getElementById("mybutton").
    addEventListener("click", function () {
      document.getElementById("innerdiv").innerHTML += "<h3>Hello</h3>";

    });
  </script>
</body>
</html>

```

Hello

Click to Add HTML element

- What is the difference between ViewState and SessionState?

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. ViewState: It is maintained at only one level that is page-level.

- What is === operator?

equal value and equal type

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    let a="5"
    let b="5"
    document.write(a===b)
  </script>

```

```
</script>
</body>
</html>
```



← → ↻ 127.0.0.1:5502/assign
true

- How can the style/class of an element be changed?
- How to read and write a file using JavaScript?
 1. file=fopen(getScriptPath(),0); The function fread() is used for reading the file content.
 2. str = fread(file,length(file) ; The function fwrite() is used to write the contents to the file.
 3. file = fopen("c:\MyFile.txt", 3);// opens the file for writing.
- What are all the looping structures in JavaScript?
 - for - loops through a block of code a number of times.

```
• <p id="demo"></p>
• <script>
•     const cars = ["BMW", "Volvo", "Saab", "Ford", "Fiat", "Audi"];
•
•     let text = "";
•     for (let i = 0; i < cars.length; i++) {
•         text += cars[i] + "<br>";
•     }
•
•     document.getElementById("demo").innerHTML = text;
• </script>
```



BMW
Volvo
Saab
Ford
Fiat
Audi

- for/in - loops through the properties of an object.

```
let obj = {name:"john",last:"doe",age:"35"}
for (const key in obj) {
  {
    document.write(obj[key])
  }
}
```



johnndoe35

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

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

In JavaScript `parseInt()` function (or a method) is used to convert the passed-in string parameter or value to an integer value itself. This function returns an integer of the base which is specified in the second argument of the `parseInt()` function.

- What is the function of the delete operator?

The delete operator removes a property from an object. If the property's value is an object and there are no more references to

the object, the object held by that property is eventually released automatically.

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

JavaScript has three kind of popup boxes:

Alert box

```
// alertbox
function a() {
    alert("404")
}
```

127.0.0.1:5503 says

404

OK

Confirm box

```
// confirmbox
// function a() {
//     if ( confirm ("enter your name")) {
//         txt="hy"
//     } else {
//         txt= "no"
//     }
//     document.getElementById("one").innerHTML=txt
// }
```

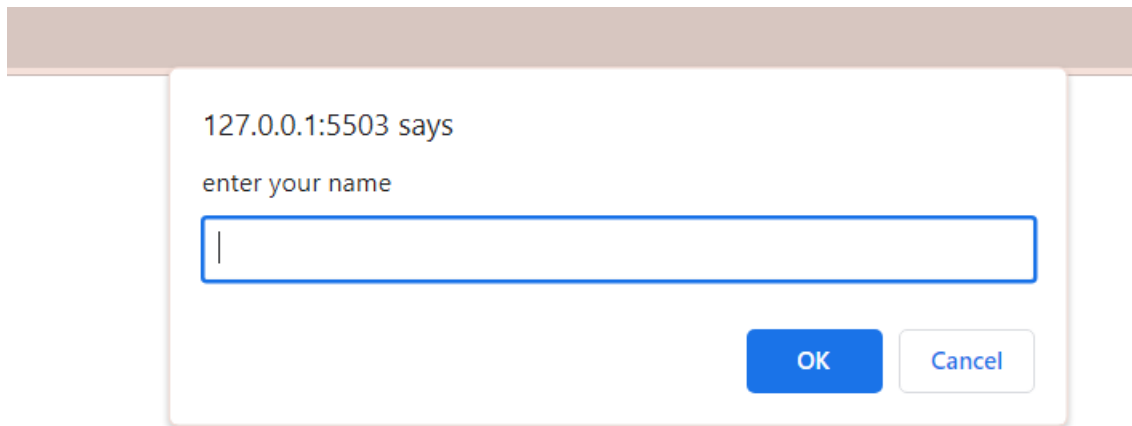
127.0.0.1:5503 says

enter your name

OK

Cancel

and Prompt box.



- What is the use of Void (0)?

```
<!-- void 0 means it will return nothing -->  
<a href="javascript:void(0)">it will do nothing</a>
```

- How can a page be forced to load another page in JavaScript?

We can use window.location property inside the script tag to forcefully load another page in Javascript. It is a reference to a Location object that is it represents the current location of the document. We can change the URL of a window by accessing it.

- What are the disadvantages of using innerHTML in JavaScript?

- Event handlers attached to any DOM element are preserved.
- Replacement is done everywhere.
- It is not possible to append innerHTML.
- Breaks the document.
- Used for Cross-site Scripting.