Module : 4 (javascript basic & DOM)

1. What is Javascript?
JavaScript is a lightweight, interpreted programming language.
It is complimentary to and integrated with Java.
JavaScript is very easy to implement because it is integrated
with HTML.

It is open and cross-platform.
Javascript is the most popular programming language in the world and
it helps you developing great front-end as well
as back-end softwares using different Javascript based frameworks
like jQuery, Node.JS etc.

Javascript is everywhere, it comes installed on every modern web
browser For example Chrome, Mozilla Firefox , Safari supports
Javascript.

Javascript helps you create really beautiful and crazy fast and
dynamic websites.

2. what is the use of NAN function??
The **isNaN() function** is used to check whether a given value is an illegal number or not. It returns true if value is a NaN else returns false. It is different from the Number.isNaN() Method.
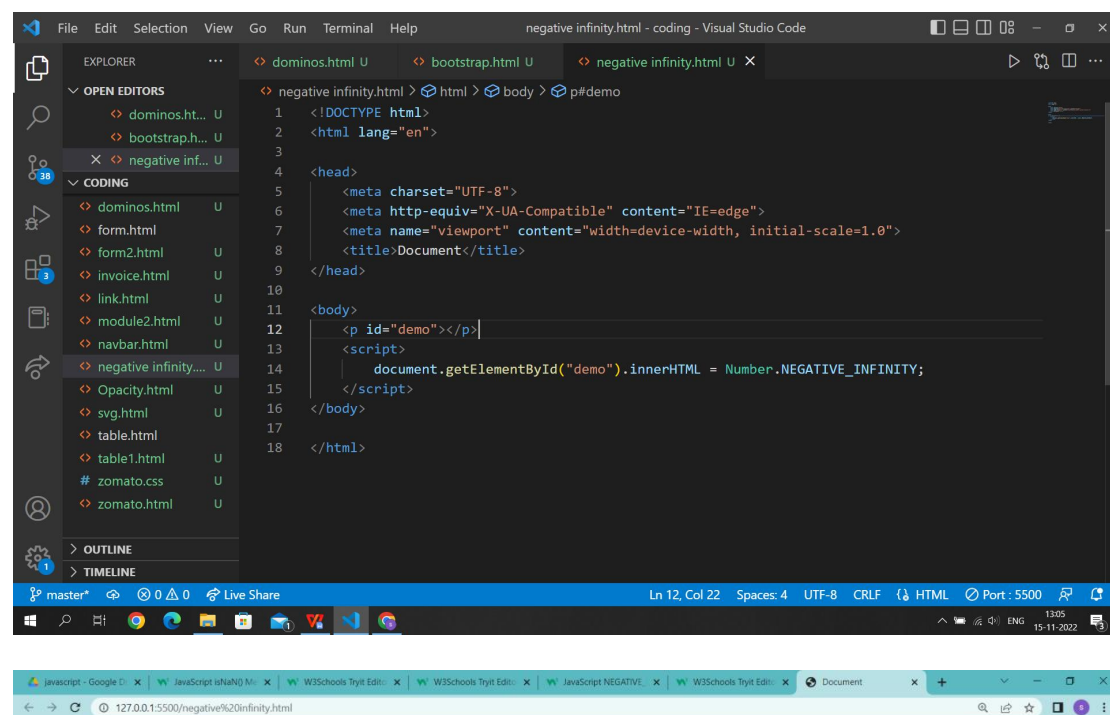 Example:

3. what is negative infinity?

NEGATIVE_INFINITY is a property of the JavaScript Number object.

You can only use it as Number.NEGATIVE_INFINITY.

he negative infinity in JavaScript is a constant value which is used to represent a value which 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.

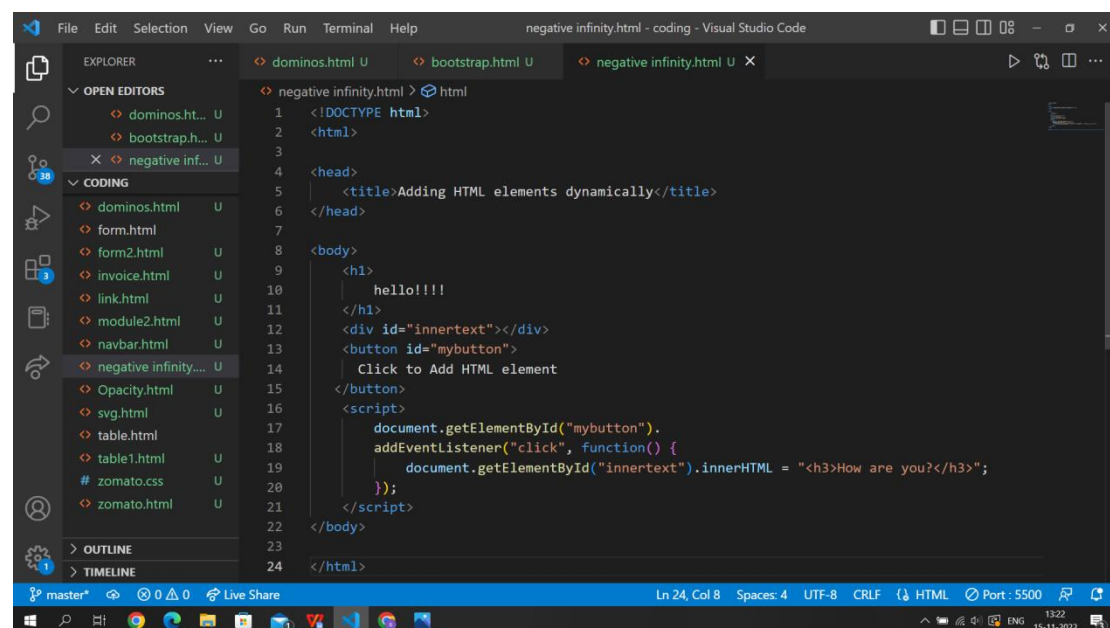-Infinity

4. which company developed javascript?

Netscape

5. What are undeclared and undefined variables?

Undeclared – It occurs when a variable which hasn't been declared using var, let or const is being tried to access.

Undefined – It occurs when a variable has been declared using var, let or const but isn't given a value.

6. write a code for adding new elements dynamically?

New elements can be created in JS by using the **createElement()** method.

7. What is the difference between viewstate and sessionstate?5

Viewstate and sessionstate are used for client-side state management and server-side state management respectively.

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 the "==" operator?

This will check if two operands are equal

Example:

6 == 2 returns 0

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

"document.getElementById("id").style.property = new_style"

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

The fs.readFile() and rs.writeFile() methods are used to read and write of a file using javascript.

The file is read using the fs.readFile() function, which is an inbuilt method. This technique reads the full file into memory and stores it in a buffer.

Syntax:

fs.readFile(file_name, encoding, callback_function)

The fs.writeFile() function is used to write data to a file in an asynchronous manner. If the file already exists, it will be replaced.

Syntax:

fs.writeFile(file_name, data, options, callback)

11. what are all the looping structures in javascript?

There are three looping structure:

1. while loop

2. For loop

3. Do_while loop

 var i=1;
    1) while(i<=100)
       {
          document.write(i);
          i++;
       }

    2) do
       {
       }while();

    3)for()
     {

     }

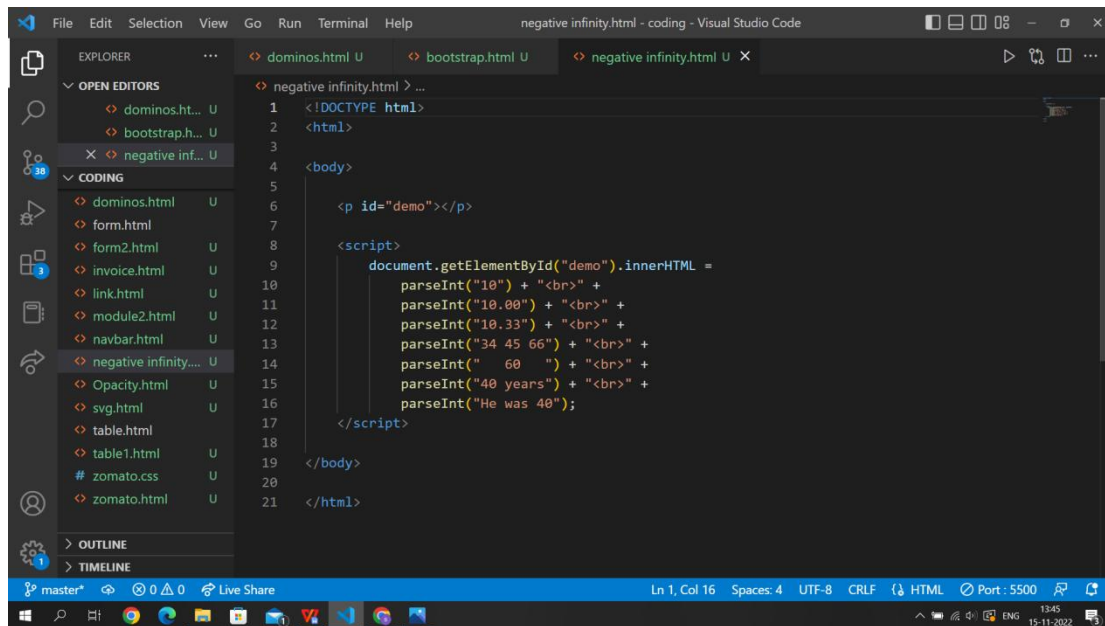12.   How can you convert string of any base to an integer in javascript?

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 base which is specified in second argument of **parseInt() function**.

Syntax:

parseInt(Value, radix)

Example;

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    <> dominos.html   U     5
    <> form.html            6        <p id="demo"></p>
    <> form2.html     U     7
    <> invoice.html   U     8        <script>
    <> link.html      U     9            document.getElementById("demo").innerHTML =
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    <> navbar.html    U    11                parseInt("10.00") + "<br>" +
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    <> Opacity.html   U    13                parseInt("34 45 66") + "<br>" +
    <> svg.html       U    14                parseInt("   60    ") + "<br>" +
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    <> table1.html    U    16                parseInt("He was 40");
    # zomato.css      U    17        </script>
    <> zomato.html    U    18
                           19    </body>
> OUTLINE                  20
> TIMELINE                 21    </html>

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NaN

13.   what is the function of the delete operator?

Delete operator removes a given property from object.

14.   What are all the types of pop up boxes available in javascript?

There are three types of pop-up boxes in JavaScript namely **Alert Box**, **Confirm Box** and **Prompt Box**.

Alert Box: It is used when a warning message is needed to be produced. When the alert box is displayed to the user, the user needs to press ok and proceed.

Syntax:

alert("your Alert here")

Prompt Box: It is a type of pop up box which is used to get the user input for further use. After entering the required details user have to click ok to proceed next stage else by pressing the cancel button user returns the null value.

Syntax:

prompt("your Prompt here")

Confirm Box: It is a type of pop-up box that is used to get authorization or permission from the user. The user has to press the ok or cancel button to proceed.

Syntax:

confirm("your query here")

15.   what is the use of void(0)?

Using javascript , you can run code that does not change the current page.

This, used wirh void(0) means,do nothing-don't reload, don't navigate , don't run any code.

16.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.

Syntax:

<script>

```
    window.location = <Path / URL>
</script>
```

17.What are the disadvantage of using innerHTML in javascript?

The use of innerHTML very slow

Preserves event handlers attached to any DOM elements

Content is replaced everywhere

Appending to innerHTML is not supported

Old content replaced issue

Can break the document

Can also be used for Cross-site Scripting(XSS)