ASSIGNMENT-1

1.What are the popup boxes in javascript?

Ans- JavaScript has three kind of popup boxes:

- Alert box
- Confirm box
- Prompt box.

2.What is JavaScript engine for Safari?

Ans- JavaScript core webkit.

5. What are the key differences between Java and JavaScript?

Ans-

JAVA	JAVASCRIPT
1. It is a programming lang 2. It is developed by "SUN MICROSYSTUM". 3. Java is a singlehanded programming lang. 4. Web browers is not required to run the java program. 5. Java is a complex lang to learn. 6. In Java programming language, programs are saved with the ".java" extension 7. Object oriented programming lang	1. It is scripting lang 2. It is developed by "NETSCAPE" 3. Javascript need HTML program For its execution. 4.Web browers is required to run the program. 5.Javascript is easy lang to learn. 6. programs in JavaScript are saved with the ".js" extension. 7.object -based programming lang

ASSIGNMENT-2

1.Can be disable java script in the browser if yes how so

Yes, java script can be disabled in the browser.

Press Ctrl+Shift+P (Windows, Linux) or Command+Shift+P (macOS) to open the Command Menu. Start typing javascript , select Disable JavaScript, and then press Enter to run the command

2.What is difference between undefined and not defined in JS.

Undefined means that the value has been declared but given any value while not defined means the data value/variable does not exist.

3.What is the difference between == and ===

The == operator performs a loose equality comparison that performs type coercion if necessary to make the comparison possible. The === operator, on the other hand, performs a strict equality comparison that does not perform type coercion and requires the operands to have the same type (as well as the same value).

== checks only the same value while === checks the value aswell as the type
.

4.what does isNan() function do?

IsNaN() is a method that returns the Boolean value true if the value is NaN and the type is a number.

isNaN() converts the value to a number before testing it.

5. Difference between Client side JavaScript and Server side JavaScript?

1. Location of Execution:

Client-side JavaScript:

- This code runs in the user's web browser. It's executed on the client's device.

Server-side JavaScript:

- This code runs on a web server. It is executed on the server Side.

2. Use Cases:

Client-side JavaScript:

- It is mainly used for enhancing the user experience on a website
- It can be used for tasks like form validation, DOM manipulation, animations, and making asynchronous requests to the server (AJAX).
- It is used for creating interactive and dynamic user interfaces.

Server-side JavaScript:

- It is used for server-related tasks such as handling incoming HTTP requests, processing data, interacting with databases, and generating dynamic HTML content.
- It is commonly used in the development of web servers and server-side applications.

3. Security:

Client-side JavaScript:

- The code is visible to the client (in the browser's developer tools), which makes it vulnerable to tampering or reverse engineering.
- You should be careful not to expose sensitive data or business logic in client-side code.

Server-side JavaScript:

- The code runs on the server and is not visible to clients. lt provides a more secure environment for sensitive operations and data handling.

4. Browser Compatibility:

Client-side JavaScript:

- Needs to consider cross-browser compatibility as different browsers may implement JavaScript features differently.

Server-side JavaScript:

- Doesn't have to worry about browser compatibility, as it runs on the server and doesn't interact with the client's browser directly.