1. Explain the use of JavaScript (or What you can do using a JavaScript).

🡪 JavaScript is a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive. JavaScript adds **behaviour** to web pages. JavaScript is also used beyond the Web in software, servers and embedded hardware controls.

2. What is the difference between client-side and server-side?

🡪 Client-side means that the processing takes place on the user’s computer. It requires browsers to run the scripts on the client machine without involving any processing on the server.

Server-side means that the processing takes place on a web server.

3. What is Nodejs?

🡪 Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser.

4. Explain Scope in JavaScript.

🡪 Scope in JavaScript refers to the current context of code, which determines the accessibility of variables to JavaScript. The two types of scope are local and global:

a) Global variables are those declared outside of a block

b) Local variables are those declared inside of a block

5. JavaScript is asynchronous or synchronous.

🡪 JavaScript is asynchronous programming language.

6. JavaScript is Single-threaded or Multi-threaded.

🡪 JavaScript is a single-threaded.

7. Explain DOM in your own word.

🡪 The Document Object Model (DOM) is a programming API for HTML and XML documents. It defines the logical structure of documents and the way a document is accessed and manipulated.