1. **Explain the use of javascript (or what you can do using a javascript)**

JavaScript is commonly used for creating web pages. It allows us to add dynamic behavior to the webpage and add special effects to the webpage. On websites, it is mainly used for validation purposes.Javascript can dynamically modify an HTML page or javascript can validate user input javascript can validate user input .javascript can valid user input then javascript can be used to create cookies javascript is a full-featured programming laguage.javascript user interaction doesnot reqire any communication with the server.

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

|  |  |
| --- | --- |
| Client -side | Server-side |
| Client-side additions (such as window and history) | Core language features (such as variables, function, and liveConnect |
|  | Server-side additions (such as server and database) |

1. **Whats is nodejs?**

* An free and open source server enviroment.
* Javascript can be used on the server.
* A single language for both frontend and backend

1. **Explain scope in javascript?**

Define the boundary where you can access the variables and function define

* Block scope
* Function scope
* Global scope

1. **Javascript is asynchronous or synchronous.**

A synchronous request blocks the client until operation completes i.e browser is unresponsive in such case, javascript engine of the brower in blocked .

Asynchronous

(ajax web-Application Model)

* An asynchronous request doesn’t block the client. i.e brower is responsive
* At that time, user can perform another operations also
* In such case , javascrijpt engine of the brower is not block .

1. **Javascript is single- threaded or multi- threaded.**

Javacript is only a single- theaded , multi- threading is not posible in javascript .

Single-threaded = JavaScript is a sigle threaded programming lagunge that can be non-blocking . javascript have only one call stack .

1. **Explain DOM in your own word?**

* DOM full meaning is Document Object Module .
* It is created by the browser when a web page is rendered
* DOM of a webpage can be repredente graphically in the form of a tree.
* Javascript uses Dom to perform multiple tasks such as creating and deleting elements on the web page .