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

**ANS:-** Basically JavaScript is a text-based programming language used both on the client-side and server-side that allowsyou to make web pages interactive. JavaScript is a light-weight object-oriented programming language that is used by several websites for scripting the webpages. It is an interpreted, full-fledged programming language. JavaScript enables dynamic interactivity on websites when it is applied to an HTML document.

* To create Web Applications
* To Do Web Developmet
* To CreateMobile Applications
* To create Game**s**
* Server Applications

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

**ANS:­-** Basically 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. And client relies on the services of the server, whereas the server authorizes the client's requests and facilitates them with the requested services.

1. **What is Nodejs?**

**ANS:-** Node.js is an open source, cross-platform runtime environment for developing server-side and networking applications. Node.js applications are written in JavaScript, and can be run within the Node.js runtime on OS X, Microsoft Windows, and Linux.

1. **Explain Scope in JavaScript?**

ANS:- 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*:

* Global variables are those declared outside of a block
* Local variables are those declared inside of a block

1. JavaScript is asynchronous or synchronous?

ANS:- JavaScript is a synchronous. Because we can perform only one operation at a time and program execution was line by line process and it is a single-threading language.

1. JavaScript is Single-threaded or Multi-threaded?

ANS:- In the context of programming, Parallelism is the utilization of multiple threads in an operating system. Routines are able to run at the same time regardless of execution order. JavaScript, however, is **single threaded** and only one line of code can be executed at any given time.

1. Explain DOM in your own word?

ANS:- 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. In the DOM specification, the term "document" is used in the broad sense - increasingly, XML is being used as a way of representing many different kinds of information that may be stored in diverse systems, and much of this would traditionally be seen as data rather than as documents. Nevertheless, XML presents this data as documents, and the DOM may be used to manage this data.

With the Document Object Model, programmers can create and build documents, navigate their structure, and add, modify, or delete elements and content. Anything found in an HTML or XML document can be accessed, changed, deleted, or added using the Document Object Model, with a few exceptions - in particular, the DOM interfaces for the internal subset and external subset have not yet been specified.