

Qn
Ans what is EMMET?

Emmet is an essential toolkit for web developers. It allows us to type shortcuts that are then expanded into full pieces of code for writing HTML & CSS, based on an abbreviation structure most developers already use, that expands into full-fledged HTML markup and CSS rules.

Qn
Ans Differentiate between a library & a framework.
A library is a collection of packages that perform specific operations whereas a framework contains the basic flow and architecture of an application.

By using a library, you can control the flow of the application and call the library, in contrast to this, when you use framework, the control is inverted, i.e., framework controls the flow and calls our code.

Qn
Ans what is CDN? why do we use it?

A Content Delivery Network (CDN) refers to geographically distributed group of servers that work together to provide fast delivery of internet content. The main use of a CDN is to deliver content through a network of servers in a secure & efficient way.

Qn
Ans what is React? why is it known as React?

It is an open source library by Facebook, which streamlines dynamic User Interface and single-page app development. It champions in component-based design,

virtual DOM, declarative coding & unidirectional data flow. It is a go to choice for modern web app construction, often utilised with server-side rendering for performance gains.

React is known as 'React' because it reflects its primary design philosophy: reacting to changes in data and rendering UI accordingly.

Qn what is cross-origin attribute in script tag?

Ans The 'cross-origin' attribute in 'script' tag is used to maintain the behavior of cross-origin requests when loading external scripts in a web page. It offers two options

- anonymous → The browser allows the script to load from diff origin but restricts the access to response data
- use-credentials → The browser permits the script to send user credentials, like cookies & authentication, with the request, allowing the external server to recognize authenticated users.

Qn what is the diff b/w React & ReactDOM?

Ans React is the core library for building UI components and managing state, while ReactDOM is a package specifically for rendering React components in the DOM. React handles logic, ReactDOM handles interaction with the actual web page.

Qn what is the diff between react.development.js and react.production.js files via CDN?

Ans The diff between 'react.development.js' and 'react.production.js' via CDN lies in their usage contexts. The 'development' version provides debugging information & warnings for development & debugging but can slow down the application. The 'production' version is optimised for production use, removing debugging data for better perf. & smaller file size.

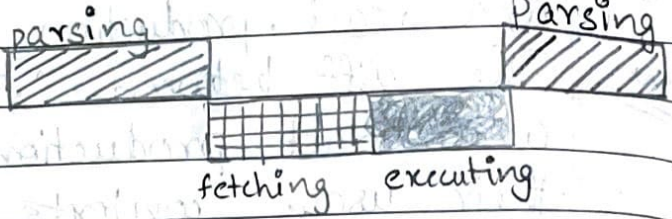
Qn Async vs defer attributes in JS
Ans 'async' and 'defer' are attributes used in HTML script tags when loading external JS files. They affect how the script is downloaded & executed

→ async: The script is downloaded asynchronously while the page continues to parse. It can execute as soon as it's downloaded, which may not preserve the order of script execution. Use it when script order doesn't matter, & the script doesn't depend on the dom.

→ defer: The script is downloaded in the background but doesn't execute until the HTML parsing is complete. It maintains the order of script execution. Use it when script order is imp, or when script relies on DOM elements.

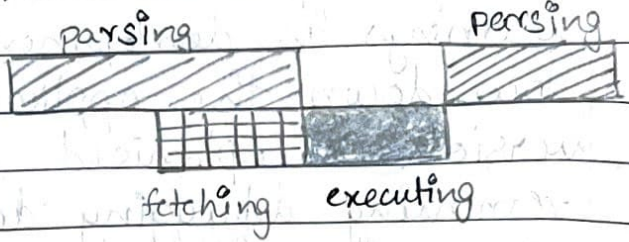
NORMAL

HTML parsing
Script



ASYNC

HTML parsing
Script



DEFER

HTML parsing
Script

