

## What is Emmet ?

It is a plugin for text editors which improves the HTML and CSS workflow. It adds/emits the boilerplate code. It increases the speed of development. Also it helps to maintain the code quality and uniformity throughout the project.

Abbreviations - These are the special expressions that are parsed and converted into actual code.

e.g. `div> .parent` will be parsed at runtime and converted to `<div class="parent"></div>`

## Difference between library and framework ?

The main difference between library and framework is **Inversion of Control**.

When using a library control remain with a developer who tells the application when to call library function.

When using a framework it is reversed it means the framework tell the developer where the code needs to be provided and calls it as requires.

Examples :

jQuery library -

```
$(document.ready() { doSomething() } ); // This call is done by the library.
```

angular framework -

```
t.s => string course = 'Namaste React';
```

```
html => <span> {{ course }} </span>
```

## What is CDN ? Why do you use it ?

CDN is the abbreviation of Content Delivery Network. It refers to a geographically distributed group of servers which work together to provide fast delivery of contents.

It provides quick transfer of assets needed for loading Internet content that includes HTML, CSS, JS, Image, Video, etc.

It is a network of servers linked together which aims to deliver the contents as quickly, cheaply, reliably and securely as possible.

Benefits : 1) Improves website load time 2) Reduces bandwidth cost 3) Increases content availability 3) Improves website security.

## Why is React known as 'React' ?

React is named as 'React' because of its ability to react to changes in data. When the data in React component changes, it automatically re-renders the components and the new data is reflected.

This makes the easy

and faster development.

## Why is crossorigin in script tag ?

The attribute crossorigin provides the support for CORS ( Cross Origin Resource Sharing ). It defines how the element handles cross-origin requests. When user sets the crossorigin attribute to "" or simply crossorigin,

This means the request uses CORS headers. It sets the mode of request to an HTTP CORS Request. CORS request is a request from another domain outside their own domain.

## What is the difference between React and ReactDOM ?

React package is mainly used to define and create elements whereas ReactDOM package is used to mount / render elements also it can be used to access DOM the element. In a nutshell, ReactDOM package mainly focuses on web apps.

## What is the difference between react.development.js and react.production.js files via CDN ?

The main difference between development and production files via CDN is that in case of production files minified and optimized versions are loaded.

## What is async and defer ?

The attributes async and defer are used in the script tag. While parsing the HTML script is fetched in parallel and when the fetching is done HTML parsing is paused and the script is executed and after the execution

HTML parsing is resumed. While in case of scripts with defer, scripts are fetched in parallel with parsing the HTML but the scripts are executed only when the HTML parsing is completed.

When the scripts are interdependent then it is better to use scripts with the defer attribute.