#Inception Assignment

1.What is Emmet?

It is a tool for IDE that help developer to generate full fledge boiler plate code snippets.

2.Difference between library and framework?

A key difference between the two is Inversion of control. When using a library, the control remains with the developer who tells the application when to call library functions. When using a framework, the control is reversed, which means that the framework tells the developer where code needs to be provided and calls it as it requires.

3.What is CDN? Why do we use it?

CDN stands for Content Delivery Network which refers to a 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 and efficient way. CDN has 100% uptime.

Using these two CDN links we made react available to the browser. This is the shortest react program. why? because If we go to the browser and type React and ReactDOM we will get objects.

These are coming from the CDNs that we have just imported.
The first CDN link https://unpkg.com/react@18/umd/react.development.js is the core file of react.

The second CDN link https://unpkg.com/react-dom@18/umd/react-dom.development.js is the file which we need for DOM Operations.

4.Why React known as React?

React is a JavaScript Library. React is named React because it quickly reacts to changes without reloading the whole page.

5.What is cross origin in script tag?

The crossorigin attribute sets the mode of the request to an HTTP CORS Request. Web pages often make requests to load resources on other servers. Here is where CORS comes in.

A cross-origin request is a request for a resource (e.g. style sheets, iframes, images, fonts, or scripts) from another domain. CORS is used to manage cross-origin requests.

CORS stands for Cross-Origin Resource Sharing, and is a mechanism that allows resources on a web page to be requested from another domain outside their own domain. It defines a way of how a browser and server can interact to determine whether it is safe to allow the cross-origin request. CORS allows servers to specify who can access the assets on the server, among many other things.

6.What is the difference between react and reactDOM?

The react package contains React.createElement(), React.Component, React.Children, and other helpers related to elements and component classes. We can use these helper APIs to create react components or elements. The react-dom/client package contains ReactDOM.render() which takes a react element as argument and it defines where the react element has to be rendered inside DOM.

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

In `Development` stage, application is not public meaning we don't deploy the application into production. while `production` is the term used for the same application when it's made `public`. `Development build` is several times `slower` than the `production build`.

8.What is async and defer?
TBA