React - JS. Assignment
First Assignment

* <u>What is Emmet</u>

→ Emmet is free add on for your text edittors. that allows you type less on the type shortcuts, that expand into the full piece of code.

→ By using Emmet the Designers how to type less. and Saving both keystrokes. and time when bcrilling any project.

→ By using Emmets. autocompletion the Designer. write fewer typos. and don't worry about missing tags. and Creating the robust Code.

* Difference between library and framework.

library	framework
→ Libraries provide a built in function and classes. to further behind. Output on features.	→ On the other hand. framework are the foundation upon. which developer built the. the apps for Specific platfor
→ Libraries is a Collection. of helper modules, objects, classes, function, message, template etc.	→ Framework comes with. a lot of API's, compilers, toolsets, Support, programs, Libraries ok.

→ Code in a libraries are geared towards a particular program, or to solve a specific Development problem. Therefore, Developer must modify the code to unit these needs.	→ The frameworks generates new code for developers. These code be altered or modified later. frameworks do not allow users to modify the code.
→ It is possible to call the library wherever you see fit in on your code.	→ On the other hand, you can only call and use what belongs to a framework.
→ Libraries are more complex to understand out to make the interaction with it is very complex.	→ In framework it is easier to do right modification, or to have desired output you just have to add plugin
→ Eg. JQuery, React, JS ch.	→ Eg. Spring, Nodejs, AngularJS, Vue JS.

* What is CDN? why do we use it?

A Content Delivery Network is a geographically Distributed group of servers that caches content closer to end users. A CDN allows for the quick transfer of assets needed for loading internet content, including HTML pages, javascript file, Stylesheets

Images and videos. The popularity of CDN services continues to grow, and today the majority

→ The Benefits of using a CDN

→ Improves website load time.

→ Reducing Bandwidth Costs.

→ Increase Content availability and redundancy.

→ Improves website Security.

* why is React known as Reakt

React is a Javascript library that helps developers to build user interfaces - The thing you interact with on website. It has become popular because of its Simplicity and flexibility and is Used by Companies like Facebook, instagram and Airbnb.

It is called React because it react, It was help to improve the UI development and more Effectively change what the user see when they are doing things like moving clicking, Submitting ok.

* what is cross origin in Script tag?.

→ The cross origin attributes Sets the mode of the request to an CORS Request

> web pages attri often make request to load resources

on other Servers. Here is where CORS comes in.

→ CORS stands for Cross-Origin Resource Sharing and is a mechanism that allows resource on a web page to be requested from another domain Outside their Own home domain. It defines a way of how a browser and server can interact to determine, whether it safe to allow the Cross Origin request. CORS allows server to specify who can access the asets on the server, among many other things.

✳ what is Difference between REACT and REACT DOM

→ Reactjs is a javascript library used to Create UI in web APP's. It is also known as for its Component Based Architecture: Each Component represent a Small, reusable piece of HTML that has its own logic and Controls?

⇒ React DOM is a library used to render React application in the browser.

The functionality used to be part of React, but because React is now used not only in the browser, it has been moved to seperate library.

* What is async and Defer.

→ The Defer attribute tells the browser not to wait
for the Script. Instead the browser will continue
to procer the HTML built DOM. The Script
loads "In the background", and then runs the
DOM is fully built.

```
<Script defer Src = "https://javascript.info/article/
            script-asyn-defer"> </Src>
```

→ The async attribute is somewhat like defer. It also
makes the Script non blocking. But it has
important differences in the behaviors.
also async Scripts load in the background and
run when ready. The DOM and other Scripts
don't wait for them, and they don't wait for
any thing. A fully independent Script that runs,
when loaded. As Simple as it can get, right? -