**NAMASTE REACT**

**Inception**:

How to create a basic hello world program using html?

**html**:5 -> basic html skeleton

**js**:

**document**: The Document interface represents any web page loaded in the browser and serves as an entry point into the web page's content, which is the DOM tree.

The **DOM** tree includes elements such as <body> and <table>, among many others. It provides functionality globally to the document, like how to obtain the page's URL and create new elements in the document  
  
**createElement**: creates the HTML element specified by tagName, or an HTMLUnknownElement if tagName isn't recognized.

**getElementById**: returns an Element object representing the element whose id property matches the specified string. Since element IDs are required to be unique if specified, they're a useful way to get access to a specific element quickly.

**appendChild**: Every html element has this function, method of the Node interface adds a node to the end of the list of children of a specified parent node.

**How does a browser understand these things?**  
these are the super powers which browser already have in it.

Browsers have a javascript engine in it.

But the browser do not know what react is.

So to start using react

1. we need to get react into our project.

using cdn react:

cdn?

content delivery networks where the react library has been hosted and we are pulling react from there into our project using cdn links.

Homework:

1. Read about CDN

1. Once we add these cdn scripts into our code, project, browser will understand what react is. We injected reacted into our project.

<script

crossorigin

src="https://unpkg.com/react@18/umd/react.development.js"

></script>

<script

crossorigin

src="https://unpkg.com/react-dom@18/umd/react-dom.development.js"

></script>

what is crossorigin?

<https://unpkg.com/react@18/umd/react.development.js>

This link has plain js code.

React is basically a js library for building ui

React is built using js.

This code is written by fb developers

what happened when we got react into our project?

If we open browser and inspect, we can find React object

<https://unpkg.com/react-dom@18/umd/react-dom.development.js>

react.development.js is the core file of react

react-dom.development.js used for dom operations, need to modify dom

why do we need different files for both of them?

Because react doesnt just work on browsers they work on mobile phones as react native, react 3d

when we included 2nd file, we got ReactDOM from it

React needs a root where it does all the DOM operations.