

Episode 1 - Inception

What is React?

React is an Open-source Javascript library that is used for creating User Interfaces for Single Page Application (SPA). It is mainly used for handling view layer of any web or Mobile Application.

Apps Used

Browser

- Chrome

Cocle Editor

- VS Coole

Create an HTML file in VS Code

- → Drag-Duop a folder in VS code
 → Cruate a file index.Home
- → Use Emmet to create a boiler plate :html5

lays to Add React in our project

1) Using CDN links in Script Tag

CDN -> Content Delivery Network, these are Websites where react has been hosted and we are pulling react into our project

Why do we use CDN?

To Greduce latency (Delay in network Communication). It is that annoying delay you experience when triging to access a web page or video stream before it fully loads.

What is cross origin in this script tog? A cross origin request is a request for a resource (eg: style strets, iframes, images, font or script) from another domain.

Who has written this react code? Some developers of Facilook

What happened when we got React

into our Project? It gives us alot of different important functions and methods to use in our project.

What are we using 2 CDN links? First is react development jo this is the core of react.

Second is the react-dom. development.js to modify the Dom (Document Object Medul)

Why there are 2 files and not just 1? React works on other devices using React Native in Mobile Phones, React 3D and more.

1st file is the core react and 2nd file is the react-dom file which make a bridge between react and browser.



Creating Elements in React



Create Element in React

const heading = React. create Element ("h1", ¿3, "Hello World")

Content to display inside Element



lement

id: 'heading'

to give

attribute to tag

(onst root = React.DOM. createRoot (document.getElementBy Id ("root"));

on the DOM We use React DOM library

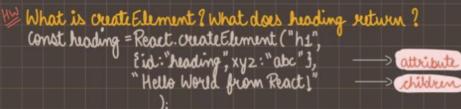
root runder (heading)

React was built to manipulate DOM using Js

Most costly thing is change the down tree on some update in the project

To optimize it React is used to do this using Js.

- Import Js in HTML <script suc=":/App.ja"><|script>
- Import CSS in HTML \link rul = "stylesheet" hruf = "./index.css"/>



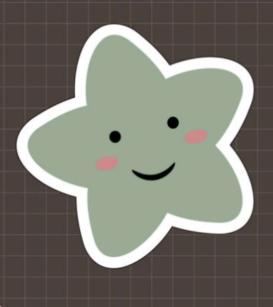
Console. log (heading)

React Element is an object Phops are children + attributes we are passing

root.runder (heading)

used to create the <hi> tag and display it in the root

render is used to convert object into tog



How to create nested elements in React?

React Element (Object) => HTML (Browser Understands)



How to create sibling elements in React?

To pass siblings we need to pass it in an overay in the children

[React.createElement("h1", E3, "I'm an h1 tag"), React.createElement("h2", E3, "I'm an h2 tag"),

Will the order of files in HTML file matter?

It will throw an error. The order meeds to be in sequence.

What happen if something is already inside <div id ="900t"> <h1> Khushi <|h1> <|div>

When we try to do root. runder (...) and if something is already present inside the div tag then root runder will replace the child tag inside the div.

It is loaded but within few milliseconds replaced by root, render (parent)

What is the difference between a library and a framework? Library can work in a small part of the app too unlike a framework.

Framework need to be used in a fully fleged app to use them. They can't be used in already existing project.

But react can be used inside your existing project as well.

