

Namaste React

Episode 1

React is a JS library

At the end of the day it is javascript code

React is brought into the HTML using two scripts with the help of CDN.

React. development script

React. dom development script

Now adding first react into our program

<script>

const heading = React.createElement('h1', {}, 'Hello')

Here it takes 3 arguments

Tag to be created

empty object for now

content

First, React needs a root to do all the dom manipulation

Creating Root

Ex: `const root = ReactDOM.createRoot()`

`const root = ReactDOM.createRoot(document.getElementById("root"))`

We used `ReactDOM.createElement` ~~because~~ because

create an element is a core work

of react but creating a root is

the work done by ReactDOM as

we trying to put the element created

by react in Dom

Root is the place where all the react code will run

`root.render` will be used for rendering

Together as first react program

`<script>`

`const heading = React.createElement("h1", {}, "Hello world")`

`const root = ReactDOM.createRoot(document.getElementById('root'))`

`root.render(heading)`

`</script>`

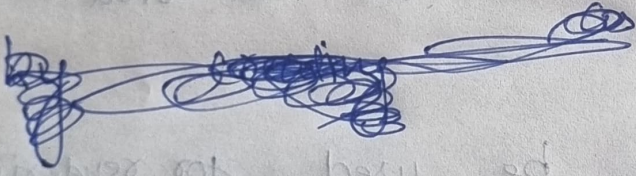
React.createElement

It creates a Javascript Object

It is a React element and not yet a simple tag

that is why render method is used which convert this object into HTML tag that browser understand

We can create nested HTML tags



```
const parent = React.createElement('div', { id: "parent" },
```

```
  React.createElement('div', { id: "child" },
```

```
    React.createElement('h1', { }, 'Hello')
  )
)
```

```
<div id=parent>
```

```
  <div id=child>
```

```
    <h1> Hello </h1>
```

```
  </div>
```

```
</div>
```


Siblings can be created using array

If something is already in root then it will be replaced by react code using `root.render()`.

React is a library because it can independently work in a small portion of app - that is why it is not a framework.