

→ React is a library

→ The Main difference b/w framework and library

→ Library takes minimum effort to put it into our code.

Let my index.html looks like: ↓

< head >

< title > Namaste All < / title >

< / head >

< Body >

< div id = "root" >

< h1 > Namaste Everyone! < / h1 >

< / div >

< / Body >

To do above code in Javascript: ↓

< body >

< div id = "root" > < / div >

< / body >

< script >

const heading = document.createElement("h1")

heading.innerHTML = "Namaste JS"

const root = document.getElementById("root")

root.appendChild(heading);

< / script >



To do above code in React JS

```
<body>
```

```
<div id="root"> </div>
```

CDN  
Links

```
<script cross origin src="https://...react@18...">  
<script crossorigin src="https://...react-dom@18...">
```

```
<script>
```

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

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

```
root.render(heading);
```

```
</script>
```

```
</body>
```

Q what is the `{ }` denotes in above code?

```
<div id="root">
```

```
<h1 id="title"> React </h1>  
</div>
```



This should be come inside `{ }`.  
what ever I'm passing inside  
`{ }`, will goes as tag attributes  
of `h1`.



Page No. \_\_\_\_\_  
Date \_\_\_\_\_

\* Do the below HTML code using React

```
<div id="container">  
  <h1> heading 1 </h1>  
  <h2> heading 2 </h2>  
</div>
```

To build a structure like this using react ↓

```
<script crossorigin src="https://react@18.../">
```

```
<script crossorigin src="https://reactdom.../">
```

```
<script>
```

```
const heading = React.createElement("h1",  
  {id: "title"}, "heading1");
```

```
const heading2 = React.createElement(  
  "h2", {id: "title2"}, "heading2");
```

```
const container = React.createElement(  
  "div", {id: "container"},  
  [heading, heading2]);
```

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

```
root.render(container);
```

```
</script>
```