

- * code Sand box
- * in HTMLs always div with id = "root"
- * in index.js


```
var React = require("react");
var ReactDOM = require("react-dom");
or
import React from 'react'
import ReactDOM from 'react-dom'
```
- + ReactDom.render (what to show, where to show);


```
ReactDom.render (<h1>Hello</h1>, document.getElementById("root"));
or
var h1 = document.createElement("h1");
h1.innerHTML = "Hello World";
document.getElementById("root").appendChild(h1);
```
- + const root = React.createElement (document.getElementById("root"),


```
root.render (
  <React.StrictMode>
    <h1>Hello World</h1>
  </React.StrictMode>
);
```
- * Babel is a JSX compiler

\downarrow

in react (JS compiler)

render can take only one HTML element
so we have to embed all the elements into
one element

```
import React from 'react'  
import ReactDOM from 'react-dom'  
import { StrictMode } from "react";  
import { createRoot } from "react-dom/client";  
  
const rootElement = document.getElementById("root");  
const root = createRoot(rootElement);  
  
root.render(  
  <StrictMode>  
    <div>  
      <h1>My favourite Food</h1>  
      <ul>  
        <li>Noodles</li>  
        <li>Pizza</li>  
        <li>Pasta</li>  
      </ul>  
    </div>  
  </StrictMode>  
)
```

- * to include JS code in JSX use curly brackets {}
- * Template literal in ESB
` \${FName} \${LName}`
- * not class but className
- * contentEditable = "true" / "false"
- *

whatever we write
JS we use {}

* <h1 style = {Object}> Hello </h1>

* all the properties we used in CSS for styling
should be written in camelCasing in JSX

* const style = {
 color: "red",
 fontSize: "20px",
 border: "1px solid black"
}

<h1 style = { style }> Hello </h1>

```
import React from "react";
import ReactDOM from "react-dom";

const date = new Date();
const currentTime = date.getHours();

let greeting;

const customStyle = {
  color: ""
}

if (currentTime < 12) {
  greeting = "Good Morning";
  customStyle.color = "red";
} else if (currentTime < 18) {
  greeting = "Good Afternoon";
  customStyle.color = "green";
} else {
  greeting = "Good Night"
  customStyle.color = "blue";
}

ReactDOM.render(
<h1 className="heading" style={customStyle}>{greeting}</h1>
, document.getElementById("root")
)
```