

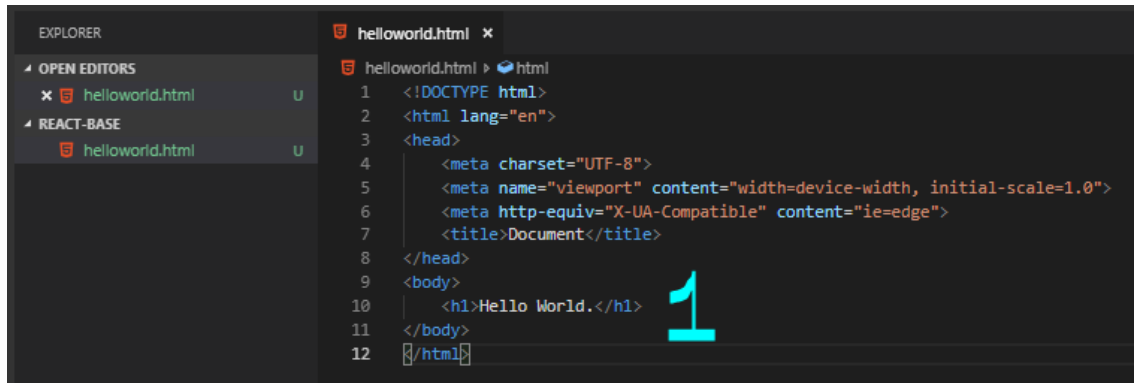
O que é React?

Apresentação

Criar pasta react-base

Criar arquivo helloworld.html

html:5



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <meta http-equiv="X-UA-Compatible" content="ie=edge">
7   <title>Document</title>
8 </head>
9 <body>
10   <h1>Hello World.</h1>
11 </body>
12 </html>
```

Instalar o npm `install -g http-server`

Executar `http-server`

Iniciar React

CDN

<https://reactjs.org/docs/cdn-links.html>

Adicionar os scripts.

`<script crossorigin src="https://unpkg.com/react@16/umd/react.development.js"></script>`

`<script crossorigin src="https://unpkg.com/react-dom@16/umd/react-dom.development.js"></script>`

```
helloworld.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8" />
5      <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6      <meta http-equiv="X-UA-Compatible" content="ie=edge" />
7      <title>Document</title>
8    </head>
9    <body>
10     <h1>Hello World.</h1>
11
12     <div id="root"></div> 2
13
14     <script
15       crossorigin
16       src="https://unpkg.com/react@16/umd/react.development.js"
17     ></script>
18     <script
19       crossorigin
20       src="https://unpkg.com/react-dom@16/umd/react-dom.development.js"
21     ></script>
22
23     <script>
24       var h1 = React.createElement('h1', null, 'Hello world!');
25       ReactDOM.render(h1, document.getElementById('root'));
26     </script>
27   </body> 3
28 </html>
29
```

Testar com um formulário.

Criar um arquivo chamado formulario.html

```
helloworld.html  formulario.html x
formulario.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8" />
5      <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6      <meta http-equiv="X-UA-Compatible" content="ie=edge" />
7      <title>Document</title>
8    </head>
9    <body>
10     <div id="root"></div>
11
12     <script
13       crossorigin
14       src="https://unpkg.com/react@16/umd/react.development.js"
15     ></script>
16     <script
17       crossorigin
18       src="https://unpkg.com/react-dom@16/umd/react-dom.development.js"
19     ></script>
20
21     <script>
22       var form = React.createElement(
23         "form",
24         null,
25         React.createElement("input", {
26           type: "email",
27           placeholder: "email",
28           required: true
29         }),
30         React.createElement("button", { type: "submit" }, "Entrar")
31       );
32       ReactDOM.render(form, document.getElementById("root"));
33     </script>
34   </body>
35 </html>
36
```

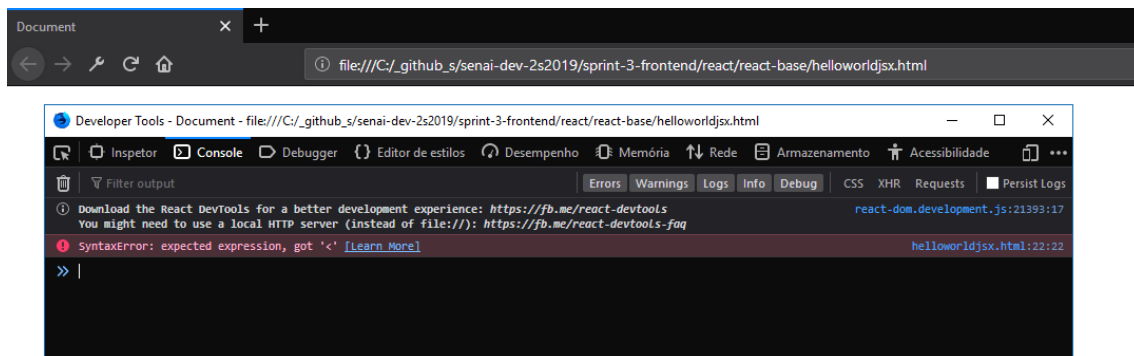
JSX – Apresentação

Criar arquivo helloworldjsx.html

Incluir os scripts de acordo com o proposto acima e incluir o h1.

```
helloworld.html x formulario.html helloworldjsx.html x
helloworldjsx.html > ...
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6     <meta http-equiv="X-UA-Compatible" content="ie=edge" />
7     <title>Document</title>
8   </head>
9   <body>
10    <div id="root"></div>
11
12    <script
13      crossorigin
14      src="https://unpkg.com/react@16/umd/react.development.js"
15    ></script>
16    <script
17      crossorigin
18      src="https://unpkg.com/react-dom@16/umd/react-dom.development.js"
19    ></script>
20
21    <script>
22      ReactDOM.render(<h1>Hello World JSX.</h1>, document.getElementById('root'));
23    </script>
24  </body>
25 </html>
26
```

Mostrar o console na web.



Canva – JSX

O JSX é uma extensão de sintaxe para JavaScript. Sintaxe semelhante ao XML.

É claro que, JSX não é interpretado pelo browser, por este motivo devemos utilizar um transpiler para realizar a mágica. Hoje existem vários transpiladores que transpilam JSX, entre eles, o mais conhecido, Babel.

<https://medium.com/reactbrasil/jsx-de6f43b06f41>

```

1  const nav = (
2    <nav className="menu">
3      <ul>
4        <li><a href="#">Home</a></li>
5        <li><a href="#">About</a></li>
6      </ul>
7    </nav>
8  )

```

elementToRender.js hosted with ❤ by GitHub

[view raw](#)

```

1  var nav = React.createElement(
2    "nav",
3    { className: "menu" },
4    React.createElement(
5      "ul",
6      null,
7      React.createElement(
8        "li",
9        null,
10       React.createElement(
11         "a",
12         { href: "#" },
13         "Home"
14       )
15     ),
16     React.createElement(
17       "li",
18       null,
19       React.createElement(
20         "a",
21         { href: "#" },
22         "About"
23       )
24     )
25   )
26 );

```

jsx-transpile.js hosted with ❤ by GitHub

[view raw](#)

Canva – Babel

Incluir o script e o tipo de texto que está sendo feito.

```
helloworldjsx.html ▶ ...
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8" />
5   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6   <meta http-equiv="X-UA-Compatible" content="ie=edge" />
7   <title>Document</title>
8 </head>
9 <body>
10   <div id="root"></div>
11
12   <script
13     crossorigin
14     src="https://unpkg.com/react@16/umd/react.development.js"
15   ></script>
16   <script
17     crossorigin
18     src="https://unpkg.com/react-dom@16/umd/react-dom.development.js"
19   ></script>
20
21   <script src="https://cdnjs.cloudflare.com/ajax/libs/babel-standalone/6.25.0/babel.min.js"></script>
22
23   <script type="text/babel">
24     ReactDOM.render(
25       <h1>Hello World JSX.</h1>,
26       document.getElementById("root")
27     );
28   </script>
29 </body>
30 </html>
31
```

Criar arquivo formulariojsx.html.

```
formulariojsx.html > ...
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6     <meta http-equiv="X-UA-Compatible" content="ie=edge" />
7     <title>Document</title>
8   </head>
9   <body>
10    <div id="root"></div>
11
12    <script
13      crossorigin
14      src="https://unpkg.com/react@16/umd/react.development.js"
15    ></script>
16    <script
17      crossorigin
18      src="https://unpkg.com/react-dom@16/umd/react-dom.development.js"
19    ></script>
20
21    <script src="https://cdnjs.cloudflare.com/ajax/libs/babel-standalone/6.25.0/babel.min.js"></script>
22
23    <script type="text/babel">
24      ReactDOM.render(
25        <form className="login">
26          <label>
27            Email:
28            <input type="email" id="email" required />
29          </label>
30          <button type="submit">Entrar</button>
31        </form>,
32        document.getElementById("root")
33      );
34    </script>
35  </body>
36 </html>
37
```