

React JSX Intro Solution

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Part 1

part1/index.html

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>

<h1>Part 1</h1>

<div id="root"> <!-- component will go in this div --> </div>

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

<script src="https://unpkg.com/babel-standalone"></script>

<script src="FirstComponent.js" type="text/jsx"></script>
<script src="NamedComponent.js" type="text/jsx"></script>
<script src="App.js" type="text/jsx"></script>
<script src="index.js" type="text/jsx"></script>

</body>
</html>
```

part1/FirstComponent.js

```
function FirstComponent() {
  return <h1>My very first component.</h1>;
}
```

part1/NamedComponent.js

```
function NamedComponent(props) {
  return <p>My name is {props.name}.</p>;
}
```

part1/App.js

```
function App() {
  return (
    <div>
      <FirstComponent />
      <NamedComponent name="Bob" />
    </div>
  );
}
```

part1/index.js

```
ReactDOM.render(
  <App />,
  document.getElementById("root")
);
```

Part 2

part2/index.html

```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="style.css">
</head>
<body>

<h1>Part 2</h1>

<div id="root"> <!-- component will go in this div --> </div>

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

<script src="https://unpkg.com/babel-standalone"></script>

<!-- add script tags for your components here -->
<script src="Tweet.js" type="text/jsx"></script>
<script src="App.js" type="text/jsx"></script>
<script src="index.js" type="text/jsx"></script>

</body>
</html>
```

part2/style.css

```
.tweet {
  border: 1px solid #0099CC;
  border-radius: 5px;
  margin: 20px 20%;
  padding: 20px;
}

.username,
.date {
  color: #999;
  display: inline-block;
  margin: 0 10px;
}
```

part2/Tweet.js

```
function Tweet(props) {
  return (
    <div className="tweet">
      <span>{props.name}</span>
      <span className="username">@{props.username}</span>
      <span className="date">{props.date}</span>
      <p>{props.message}</p>
    </div>
  );
}
```

part2/App.js

```
function App() {
  return (
    <div>
      <Tweet
        name="Matt Lane"
        username="mmmaaattttt"
        date={new Date().toDateString()}
        message="This app will disrupt everything!!"
      />
      <Tweet
        name="Elie Schoppik"
        username="eschoppik"
        date={new Date().toDateString()}
        message="#Ilovehashtags"
      />
      <Tweet
        name="Tim Garcia"
        username="TimGarcia0"
        date={new Date().toDateString()}
        message="Follow me on Twitter!"
      />
    </div>
  );
}
```

part2/index.js

```
ReactDOM.render(<App />, document.getElementById("root"));
```

Part 3

part3/index.html

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>

<h1>Part 3</h1>

<div id="root"> <!-- component will go in this div --> </div>

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

<script src="https://unpkg.com/babel-standalone"></script>

<!-- add script tags for your components here -->
<script src="Person.js" type="text/jsx"></script>
<script src="App.js" type="text/jsx"></script>
<script src="index.js" type="text/jsx"></script>

</body>
</html>
```

part3/Person.js

```
function Person(props) {
  let voteText = props.age >= 18 ? "Go vote!" : "Go study!";

  let hobbies = props.hobbies.map(hobby => <li>{hobby}</li>);

  return (
    <div>
      <p>Learn some information about this person:</p>
      <ul>
        <li>Name: {props.name.slice(0, 6)}</li>
        <li>Age: {props.age}</li>
        <ul>
          Hobbies
          {hobbies}
        </ul>
      </ul>
      <h3>{voteText}</h3>
    </div>
  );
}
```

part3/App.js

```
function App() {
  return (
    <div>
      <Person
        name="Homer"
        age={38}
        hobbies={["bowling", "watching tv", "drinking beer"]}
      />
      <Person name="Marge" age={34} hobbies={["painting", "gambling"]} />
      <Person
        name="Bart"
        age={10}
        hobbies={["skateboarding", "making prank calls"]}
      />
      <Person
        name="Lisa"
        age={8}
        hobbies={["reading", "saxophone", "eating vegetables"]}
      />
    </div>
  );
}
```

part3/index.js

```
ReactDOM.render(<App />, document.getElementById("root"));
```