


Folder Structure



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- **Package.json** = wo files jo apki app. Ko run krny k liye zrori, unka version
 - **Package-lock.json** = wo files jo apky system already installed,, jo chezain install ho chuki already,,mean no need to install further

JSX

(At first clear all files of src folder) except index.js

JSX



- JSX stands for JavaScript XML.
- Browser uses HTML tags to render the content of the webpage
- .html files are used to write HTML tags
- React is javascript and it uses .js files.
- JSX allows us to write HTML tags in .js files.
- JSX makes it easier to write and add HTML in React.



JSX Example

- In HTML we write

```
<div>  
  <h1> Hello world </h1>  
</div>
```

- In React

```
React.createElement(  
  'div',  
  null,  
  React.createElement(h1', null, 'Hello World')  
)
```

```
➔ const title = React.createElement('h1', {}, 'My First React Code');
```

Let's briefly talk about the arguments of `React.createElement()`.

1 The first one is the type of element we're creating, in this case an `<h1>` tag. This could also be another React component. If we're creating an HTML element, we pass in the name as a string, just like we did above. If we're creating a React component, we pass in the variable that the component is assigned to.

2 The second argument is an object containing properties ('props' in React terms) that get passed to the component. Since we're just getting started with React, we won't use these just yet — but be aware that the second options serves this purpose.

3 Finally, the last argument is the children of that component. This can be a quoted string like shown above, in which case the content will be interpreted as text. However, we can also pass in a reference to another component, allowing us to nest elements and components within each other (we'll get to that in a bit).

Now that we have our element, it's time to render it to the page. We do this using `ReactDOM.render()`. This takes two arguments: the first one being the thing we want to render (our `title` element), and the second one is a target DOM node to render things into.

First we need to import this from the React Dom library

```
import ReactDOM from 'react-dom';
```

and then we can render our React element from earlier.

```
ReactDOM.render(  
  title,  
  document.getElementById('global')  
);
```

The final code in `index.js` should look like this:

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

const title = React.createElement('h1', {}, 'My First React Code');

ReactDOM.render(
  title,
  document.getElementById('global')
);
```

<https://learn.co/lessons/react-create-element>