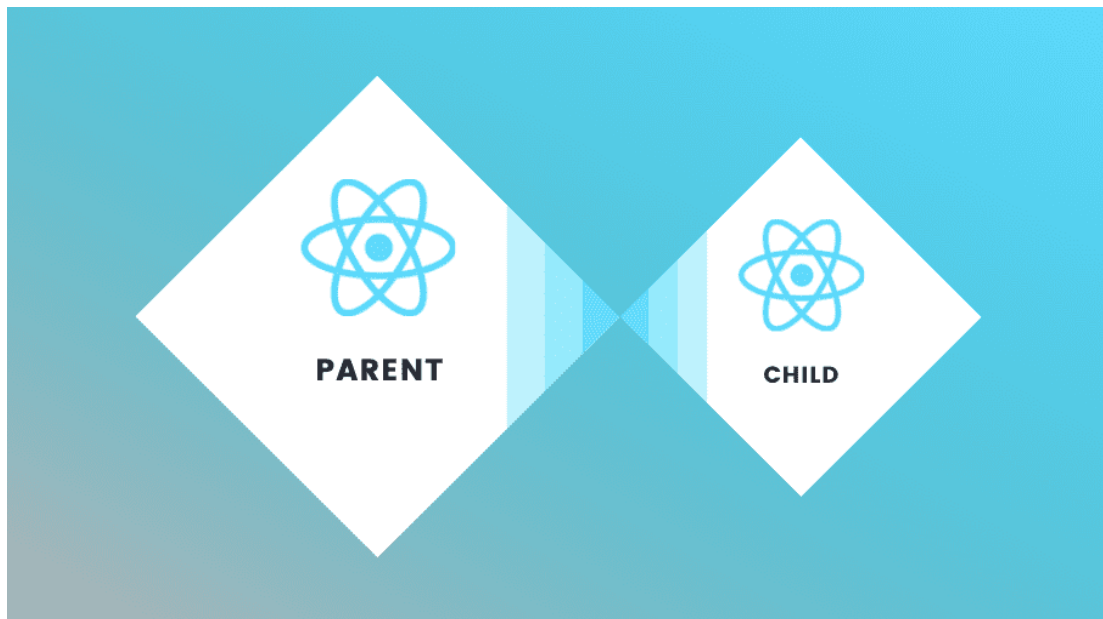# Child to Parent Component Interaction In React

Following are the steps to pass data from child component to parent component:

- In the parent component, create a callback function. This callback function will retrieve the data from the child component.

- Pass the callback function to the child as a prop from the parent component.

- The child component calls the parent callback function using props and passes the data to the parent component.
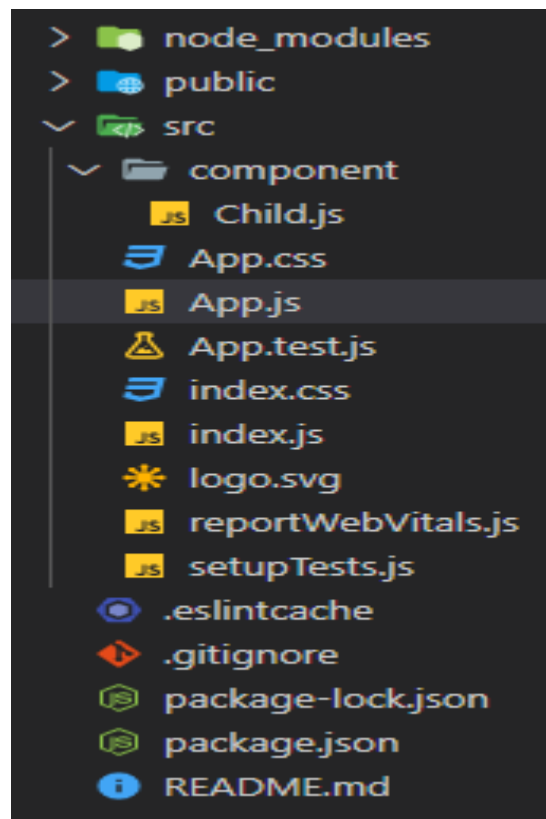
Creating React Application:

Step 1: Create a React application using the following command:

npx create-react-app folder name

Step 2: After creating your project folder i.e. folder name, move to it using the following command:

cd folder name

Project Structure: It will look like the following.

Filepath- src/App.js:

```
import React from 'react';
import Child from './Child'
class App extends React.Component{

    state = {
     name: "",
    }

  handleCallback = (childData) =>{
     this.setState({name: childData})
  }

  render(){
     const {name} = this.state;
     return(
        <div>
           <Child parentCallback = {this.handleCallback}/>
           {name}
        </div>
     )
  }
}
export default App
```

Filepath- src/component/Child.js

```
import React from 'react'
class Child extends React.Component{

  onTrigger = (event) => {
    this.props.parentCallback(event.target.myname.value);
    event.preventDefault();
  }

  render(){
    return(
    <div>
      <form onSubmit = {this.onTrigger}>
        <input type = "text"
        name = "myname" placeholder = "Enter Name"/>
        <br></br><br></br>
        <input type = "submit" value = "Submit"/>
        <br></br><br></br>
      </form>
    </div>
    )
  }
}
export default Child
```

Output: