# Exp.No: 3 Implementation of Communication between Parent and child Components Date:

**Objective:**

To Implement the Communication between Parent and Child Component.

# Description:

In React parent components can communicate to child components using a special property defined by React called as Props. All the components in React will be having this proper defined by default which will hold all the properties as key value pairs that are sent from the parent component.

# Algorithm:

1. Create the new js file names them as parent.js,child.js.
2. Create the new class component and name it as Child in child.js and return the html elements..
3. Inside the render function of the class componentit should return the html element.
4. And export the class component Child.
5. Now import the class component from child file.
6. Inside the render function of the parent’s class component it should return the child component
7. Now the output will display in the react app.

# Coding:

**parent.js:**

import React from 'react'; import Child from './child'; class Parent extends React.Component{state = {

name: "",

}

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

}

render(){

const {name} = this.state;return(

<div style={{textAlign:'center'}}>

<h1>Child and Parent Components</h1>

<Child parentCallback = {this.handleCallback}/>

{name}

</div>

)

}

}

export default Parent;

# 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>

</div>

)

<form onSubmit = {this.onTrigger}>

<input type = "text"

name = "myname" placeholder = "Enter Name"/>

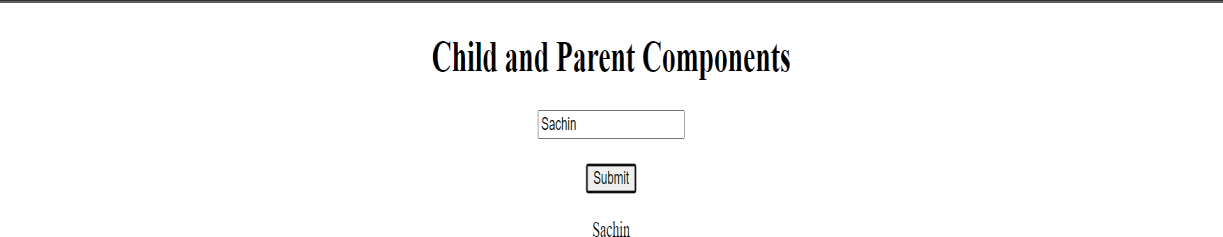
<br></br><br></br>

<input type = "submit" value = "Submit"/>

<br></br><br></br>

</form>

# Output:



**Result:**

Thus the conditional rendering is successfully implemented.