Render Props

App.js

import React from 'react';

import './App.css';

import Parent from './component/Parent';

//import child from './component/child';

import New from './component/child1'

import Child from './component/child';

function App() {

  return (

    <div className='App' >

      <New name={(count,increment)=>(<Parent count={count}

      inc={increment}></Parent>)}/>

      <New name={(count,increment)=>(<Child count={count}

      inc={increment}></Child>)}/>

    </div>

  );

}

export default App

Parent.js

import React from "react";

//import Update from "./child1"

class Parent extends React.Component{

    render(){

        return<>

        <button onClick={this.props.inc}>Clicked {this.props.count} Times</button></>

    }

}

export default Parent

Child.js

import React from "react";

//import Update from "./child1"

class Child extends React.Component{

    render(){

        return<>

        <button onMouseOver={this.props.inc}>Clicked {this.props.count} Times</button></>

    }

}

export default Child

Child1.js

import React from "react";

    class New extends React.Component{

        constructor(){

            super()

            this.state={

                count:0

            }

        }

        inc=()=>{

            this.setState(Prev=>{

                return{

                    count:Prev.count+1

                }

            })

        }

        render(){

            return<><h1>{this.props.name(this.state.count,this.inc)}</h1></>

        }

    }

    export default New

React Context

Context.js

import React from "react";

const UserContext = React.createContext()

const UserProvider = UserContext.Provider

const UserConsumer = UserContext.Consumer

export {UserContext,UserProvider,UserConsumer}

App.js

import React from 'react';

import './App.css';

import Parent from './component/Parent';

import { UserProvider } from './component/context';

function App() {

  return (

    <div >

      <UserProvider value="Hello">

        <Parent />

      </UserProvider>

    </div>

  );

}

export default App

Parent.js

import React from "react";

import Child from "./child";

class Parent extends React.Component{

    render(){

        return<>

        <div className="App"><Child /></div></>

    }

}

export default Parent

Child.js

import React from "react";

import { UserConsumer } from "./context";

class Child extends React.Component{

    render(){

        return<>

        <div>

            <UserConsumer>

                {

                    name=>{

                        return<h1>{name}</h1>

                    }

                }

                </UserConsumer>

                </div></>

    }

}

export default Child

Context Type

App.js

import React from 'react';

import './App.css';

import Parent from './component/Parent';

import { UserProvider } from './component/context';

function App() {

  return (

    <div >

      <UserProvider value="Hello">

        <Parent />

      </UserProvider>

    </div>

  );

}

export default App

Parent.js

import React from "react";

import Child from "./child";

import { UserContext } from "./context";

class Parent extends React.Component{

    static contextType=UserContext

    render(){

        return<>

        <div className="App">

            Here is {this.context}

            <Child /></div></>

    }

}

//Parent.contextType=UserContext

export default Parent

Child.js

import React from "react";

import { UserConsumer } from "./context";

class Child extends React.Component{

    render(){

        return<>

        <div>

            <UserConsumer>

                {

                    name=>{

                        return<h1>{name}</h1>

                    }

                }

                </UserConsumer>

                </div></>

    }

}

export default Child

Context.js

import React from "react";

const UserContext = React.createContext()

const UserProvider = UserContext.Provider

const UserConsumer = UserContext.Consumer

export {UserContext,UserProvider,UserConsumer}

Default Provider

App.js

import React from 'react';

import './App.css';

import Parent from './component/Parent';

import { UserProvider } from './component/context';

function App() {

  return (

    <div >

        <Parent />

    </div>

  );

}

export default App

Parent.js

import React from "react";

import Child from "./child";

import { UserContext } from "./context";

class Parent extends React.Component{

    static contextType=UserContext

    render(){

        return<>

        <div className="App">

            Here is {this.context}

            <Child /></div></>

    }

}

//Parent.contextType=UserContext

export default Parent

Context.js

import React from "react";

const UserContext = React.createContext("hiii")

const UserProvider = UserContext.Provider

const UserConsumer = UserContext.Consumer

export {UserContext,UserProvider,UserConsumer}