**Experiment-6: Props in react.**

**Task 1: Creating the props template to pass props:**

App.js

**import './App.css';**

**function App(props) {**

**return (**

**<div className="App">**

**<div className="person">**

**<h1>Student Name: {props.name}</h1>**

**<p>Student Roll No:{props.num}</p>**

**<p>Div: {props.division}</p>**

**</div>**

**</div>**

**);**

**}**

**export default App;**

**Task 2: Passing the information as properties.**

Index.js

**import React from 'react';**

**import ReactDOM from 'react-dom/client';**

**import './index.css';**

**import App from './App';**

**import reportWebVitals from './reportWebVitals';**

**const root = ReactDOM.createRoot(document.getElementById('root'));**

**root.render(**

**<React.StrictMode>**

**<App name="Krishna" num="1" division="3" />**

**<App name="Jane" num="2" division="3" />**

**</React.StrictMode>**

**);**

**// If you want to start measuring performance in your app, pass a function**

**// to log results (for example: reportWebVitals(console.log))**

**// or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals**

**reportWebVitals();**

**Task 3: Create a furniture web-page using reusability of props.**

App.Js

**import './App.css';**

**function App(props) {**

**return (**

**<div className="App">**

**<img src={props.imgUrl} />**

**<h2> {props.name}</h2>**

**<p>Color: {props.color}</p>**

**<p>Manufacturer: {props.man}</p>**

**</div>**

**);**

**}**

**export default App;**

Index.js

**import React from 'react';**

**import ReactDOM from 'react-dom/client';**

**import './index.css';**

**import App from './App';**

**import reportWebVitals from './reportWebVitals';**

**const root = ReactDOM.createRoot(document.getElementById('root'));**

**root.render(**

**<React.StrictMode>**

**<App**

**name="Wooden Dining Table"**

**color="Wooden"**

**man="Reva Furnitures"**

**imgUrl="https://housing.com/news/wp-content/uploads/2022/11/image8-9.jpg"**

**/>**

**<App**

**name="L-shaped Couch set"**

**color="Brown"**

**man="Anant Furnitures"**

**imgUrl="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQtRrhbPAh4CeySTY5r1GV5RzfkFJFD13Rc2w&usqp=CAU"**

**/>**

**<App**

**name="Two-Seater Plush chair set"**

**color="Blue"**

**man="Next-in Furnitures"**

**imgUrl="https://classy.co.in/wp-content/uploads/2023/02/Single-Chairs.webp"**

**/>**

**<App**

**name="Minimal Bedside table and chair set"**

**color="Black"**

**man="Reva Furnitures"**

**imgUrl="https://housing.com/news/wp-content/uploads/2022/11/Popular-wooden-furniture-design-for-home-and-types-of-wood.jpg"**

**/>**

**</React.StrictMode>**

**);**

**// If you want to start measuring performance in your app, pass a function**

**// to log results (for example: reportWebVitals(console.log))**

**// or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals**

**reportWebVitals();**

App.css

**.App {**

**border: 10px solid rgb(15, 15, 15);**

**margin: 20px;**

**padding: 20px;**

**width: 200px;**

**}**

**.App img {**

**width: 100%;**

**}**

**Task 4: Set default value of props.**

**App.defaultProps = {**

**name: " Not Available",**

**color: "Not available",**

**man:"Not available",**

**imgUrl:"https://st4.depositphotos.com/14953852/22772/v/450/depositphotos\_227724992-stock-illustration-image-available-icon-flat-vector.jpg"**

**}**

**Another Way: Destructuring**

**import './App.css';**

**import React from 'react';**

**function App({name,color,man,imgUrl}) {**

**return (**

**<div className="App" >**

**<img src={imgUrl} />**

**<h2> {name}</h2>**

**<p>Color: {color}</p>**

**<p>Manufacturer: {man}</p>**

**</div>**

**);**

**}**

**App.defaultProps = {**

**name: " Not Available",**

**color: "Not available",**

**man:"Not available",**

**imgUrl:"https://st4.depositphotos.com/14953852/22772/v/450/depositphotos\_227724992-stock-illustration-image-available-icon-flat-vector.jpg"**

**}**

**export default App;**