**React HOL-7**

**Define Props**

**Props** (short for properties) are used to pass data from one component to another, usually from parent to child.  
They are **read-only** and help make components reusable.

**Explain Default Props**

**Default props** are values assigned to props when no value is passed by the parent component.  
They help avoid undefined values.

**Example:**

MyComponent.defaultProps = {

name: "Guest"

};

**Identify the differences between state and props**

|  |  |
| --- | --- |
| **Props** | **State** |
| Passed from parent component | Managed within the component |
| Read-only | Can be changed with setState |
| Makes components reusable | Used to manage dynamic data |

**Explain reactDOM.render()**

ReactDOM.render() is a method used to **render a React component** into the actual **DOM**.

**Example:**

ReactDOM.render(<App />, document.getElementById('root'));

It tells React **what to render** and **where** in the HTML.

**Cart.js**

import React from 'react';

class Cart extends React.Component {

render() {

return (

<table border="1" style={{ width: '50%', margin: '10px auto' }}>

<thead>

<tr>

<th>Item Name</th>

<th>Price (₹)</th>

</tr>

</thead>

<tbody>

{this.props.item.map((item, index) => (

<tr key={index}>

<td>{item.itemname}</td>

<td>{item.price}</td>

</tr>

))}

</tbody>

</table>

);

}

}

export default Cart;

**OnlineShopping.js**

import React from 'react';

import Cart from './Cart';

export class OnlineShopping extends React.Component {

render() {

const CartInfo = [

{ itemname: "Laptop", price: 80000 },

{ itemname: "TV", price: 120000 },

{ itemname: "Washing Machine", price: 50000 },

{ itemname: "Mobile", price: 30000 },

{ itemname: "Fridge", price: 70000 },

];

return (

<div className="mydiv" style={{ textAlign: 'center' }}>

<h1>Items Ordered :</h1>

<Cart item={CartInfo} />

</div>

);

}

}

export default OnlineShopping;

**index.js**

import React from 'react';

import ReactDOM from 'react-dom/client';

import './index.css';

import OnlineShopping from './OnlineShopping';

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

root.render(<OnlineShopping />);

**Output**

**A screenshot of a computer screen

AI-generated content may be incorrect.**