**WEEK-6\_ReactJs\_HOL**

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**Objectives**

**1.Define Props**

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

**2. Explain Default Props**

Default Props allow you to set default values for props if they are not provided by the parent component. This ensures the component still works with fallback values.

**3. Identify the differences between State and Props**

|  |  |
| --- | --- |
| Props | State |
| Passed from parent | Managed within the component |
| Read-only | Can be changed using setState or useState |
| Used for configuration | Used for dynamic data handling |

**4. Explain reactDOM.render()**

ReactDOM.render() is used to render a React component or element into a specific DOM node in the HTML, typically the root element like div#root.

**7.Create a React Application named “shoppingapp” with a class component named “OnlineShopping” and “Cart”.**

**App.js**

import React, { Component } from 'react';

import Cart from './Cart';

class OnlineShopping extends Component {

constructor(props) {

super(props);

this.state = {

items: [

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

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

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

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

{ itemname: 'Fridge', price: 70000 }

]

};

}

render() {

return (

<div style={{ textAlign: 'center', padding: '30px' }}>

<h1 style={{ color: 'green' }}>Items Ordered :</h1>

<table style={{ margin: '0 auto', border: '1px solid gray', borderCollapse: 'collapse' }}>

<thead>

<tr>

<th style={{ border: '1px solid gray', padding: '10px' }}>Name</th>

<th style={{ border: '1px solid gray', padding: '10px' }}>Price</th>

</tr>

</thead>

<tbody>

{this.state.items.map((item, index) => (

<Cart key={index} itemname={item.itemname} price={item.price} />

))}

</tbody>

</table>

</div>

);

}

}

export default OnlineShopping;

**OUTPUT:**

