CN5006

1. What is React it is a JavaScript library developed by Facebook for building user interface
2. What do you understand by React component and what command do you use to create a React component with or without property
- **Function Component**: A simpler syntax introduced with hooks:
  function MyComponent() { return <h1>Hello, World!</h1>;
  } export default MyComponent;
- **Class Component**: Written as ES6 classes that extend : import React, { Component } from 'react'; class MyComponent extends Component { render() { return <h1>Hello, World!</h1>; } } export default MyComponent;
3. What command will you use to render the the newly created component named as MyReact : To render MyReact, first import it, then use it within another component import ReactDOM from 'react-dom'; import MyReact from './MyReact'; // Assuming it's in the same directoryReactDOM.render(<MyReact />, document.getElementById('root'));
4. Suppose the MyReact Component has a property heading, write down the code that could be used to render the MYReact Component, and pass the message to the property heading as "this is my first element"

ReactDOM.render(<MyReact heading="this is my first element" />, document.getElementById('root'));

function MyReact(props) { return <h1>{props.heading}</h1>; }

5. Observe this code and answer the questions below
   a. What is the name of the React Component: AppColor
   b. How many properties this component uses there is colour heading and 1bl
6. Look at the following Code: function GreetingElementwithProp(props) { return (

Wellcome , {props.studentname}

;

); } export default ?????? what will you write to make this export this function correctly? Hint you need to replace ?????? with the correct word. Add a function that takes two properties as numbers ,add these numbers on the click event of the button and display the sum. Hint you will be using in jsx

export default GreetingElementwithProp; because export default GreetingElementwithProp; is used to export the GreetingElementwithProp function as the default export from the file.

For the portfolio I learned how use React components are the building blocks of a React app

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I learned how props worked with passing data to components using props