Academic Year 2024-25

Course - IT22 Full Stack Development

React JS – Hands on Assignment -1

1. Create a Simple React App

Display “Hello, World!” inside an <h1> tag.

2. Write JSX to Display a Paragraph

Inside a <div>, display a <p> tag with your name.

3. Create a JSX expression that renders the current date and time dynamically.

4. Create a simple functional component that returns a heading <h2>

5. Write a program to demonstration of nested functional component

6. Create a parent component that passes a name prop to a child component and displays it.

7. Create an array of students which includes roll number, name and age pass it as a props to

functional component and display all information.

8. Pass an array of colors (as props) to a child component and render them as <li> items.

9. Build a counter with two buttons (+ and -) to increment/decrement a state variable.

10. Create an input field that logs its value to the console on every keystroke (use onChange).

11. Create a button that changes its background color when clicked (use onClick and state).

12. Build a form with name and email fields that alerts the submitted values (use onSubmit).

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1. Add a button that disables itself after 3 clicks (use state to track clicks).

2. Implement a <select> dropdown that updates state with the selected value.

3. Build a AADHAR Registration form with an input field and a submit button.

4. Add Form Validation in above program.

5. Write a program to demonstrate functional component life cycle phases.

6. Create a timer that updates the seconds elapsed every seconds.

7. Use useState to manage the visibility of a paragraph (toggle text with a button).