

Programme	:	<b>B.Tech.</b>	Semester	:	<b>Winter24-25</b>
Course	:	<b>BCSE203E: Web Programming Lab</b>	Slot	:	<b>TE1/TE2</b>
Faculty	:	<b>Dr. LM Jenila Livingston</b>	Marks	:	<b>10</b>

**Date: 10/03/2025**

### **Exercise 12: JSX**

1. (i) Create a React component that displays **"Hello, React!"** inside an `<h1>` tag **without JSX**.  
(ii) Modify the above code and solve using React JSX  
(ii) Modify the above component to display a message stored in a variable.
2. Create a component that renders a list of three fruits dynamically.
3. Create a component that displays a styled message using inline CSS in JSX.
4. Create a component that displays the sum of squares of two numbers inside a `<p>` tag.
5. Create a component that displays "Good Morning" if `isMorning` is true, otherwise display "Good Evening."
6. Create a React component that displays the current day of the week dynamically using JavaScript's
7. Create a React component that checks whether a given number is prime and displays the result.
8. Create a React class component called `TemperatureConverter` that allows the user to convert a temperature from **Celsius to Fahrenheit** and **Fahrenheit to Celsius**.
9. Create a component that takes a string (e.g., "React") and displays its reverse ("tcaeR") inside a `<p>` tag and display whether the string is palindrome or not
10. Create a button that, when clicked, generates and displays a random number between 1 and 100.
11. Check If a Year is a Leap Year: Take a year (e.g., 2024) as a variable and display whether it is a leap year or not
12. Create a React class component named `UserGreeting` that takes two props: `firstName` and `lastName`. Inside the `render()` method, display a greeting message with the full name of the user in the following format:

**"Hello, [First Name] [Last Name]!"**

