

Faculty of Computer Applications and Information Technology
iM. Sc. (IT) – Sem 9
Web Development using MERN Framework
CEC Assignment - 1

1. Create a React functional component named ScoreBoard.
 - Use a state variable score (default: 0).
 - Display the score value in h2 tag and blue color.
 - Add two buttons, one to Increase Score by 1 and other to Decrease Score by 1.
 - Prevent score from going negative.

2. Create a component TaskList.
 - Initialize tasks array:
let tasks = ["Finish Assignment", "Plan Weekend", "Read React Docs"]
 - Display as an ordered list.

3. Create a React component named CheckString.
 - Accept Input in the textbox
 - A Button to Check String is palindrome or not
 - Display whether the input is a Palindrome or Not a Palindrome in h1 tag.

4. Create a component UserLoginBox.
 - State: email, password
 - Inputs: email and password
 - Button: Login
 - If email = "test@mail.com" and password = "abcd" → show "Login Successful".
Else → "Please Try Again".

5. Create a React component named CheckPrime.
 - Accept Input in the textbox
 - A Button to Check Number is prime or not
 - Display whether the input is a prime or Not in h1 tag.

6. Create a React functional component named "GLSMoodle".

- Pass the username prop from App to GLSMoodle component.
- Use the state variable isLoggedIn (by default false).
- If logged in → show "Hello, <username>! You are logged in."
Else → "Hello, Guest! Please login."
- The state is modified when the "Toggle Login" button is clicked.