

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

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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.