

Assignment: Lab Practical-9

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LAB PRACTICAL-9

Scenario: Counter Application (Understanding State)

Scenario Description: You are developing a simple **Counter Application** to understand **React state**. The application should allow users to **increment, decrement, and reset** a counter value.

Task Instructions

Setup

- Create a React project using `create-react-app`.
- Start the development server.

Implementation Tasks

- Create a Counter component.
- Initialize state using `useState()`.
- Add buttons for:
 - Increment
 - Decrement
 - Reset
- Update the counter value using state setters.

Bonus Challenge

- Prevent the counter from going below zero.
- Display a message when a certain value is reached.

Expected Output

- Counter value updates dynamically.
- Proper usage of React state.
- Re-rendering on state change.

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

Compiled successfully!

You can now view counter-app in the browser.

Local:          http://localhost:3001
On Your Network: http://10.3.32.186:3001

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
□
```





