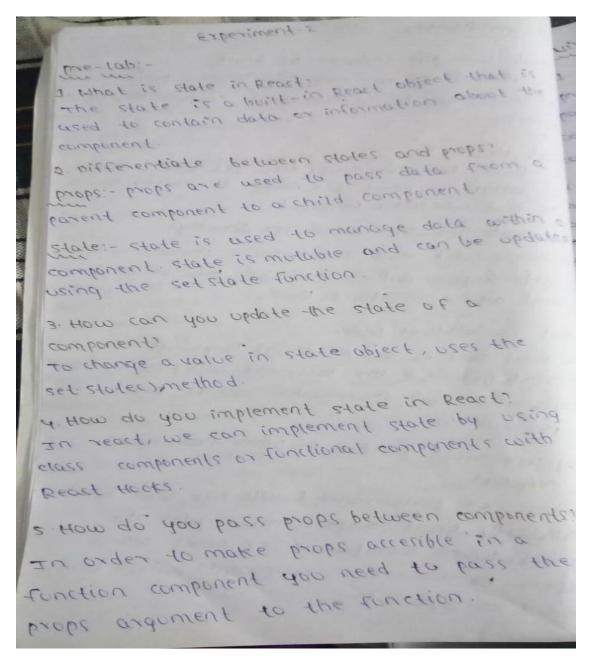
${\sf EXPERIMENT-2-Working\ with\ react\ props,\ state}$

PRE LAB:

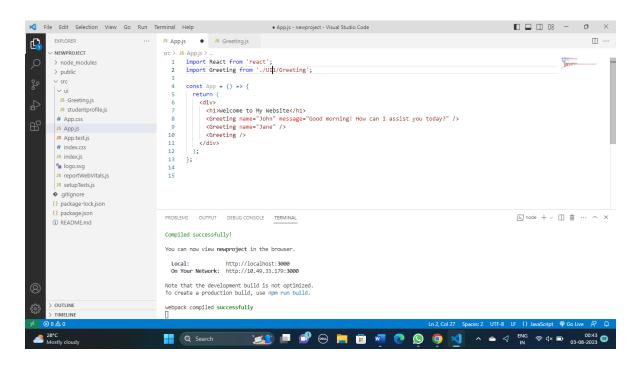


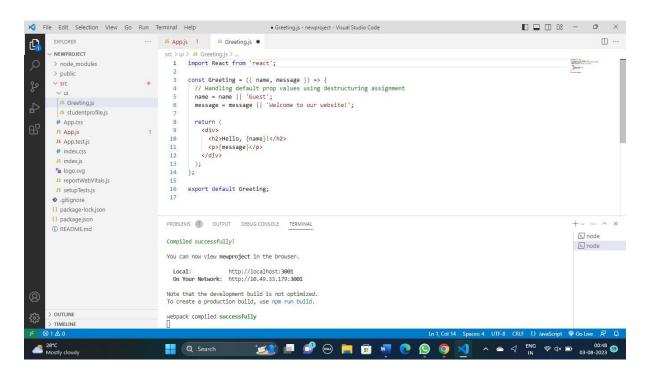
In-Lab-1:

EXERCISE:1

To evaluate the candidate's ability to create functional components that utilize props to render dynamic content. It assesses their knowledge of passing data through props and handling default prop values.

• Procedure/Program





OUTPUT:



Welcome to My Website

Hello, John!

Good morning! How can I assist you today?

Hello, Jane!

Welcome to our website!

Hello, Guest!

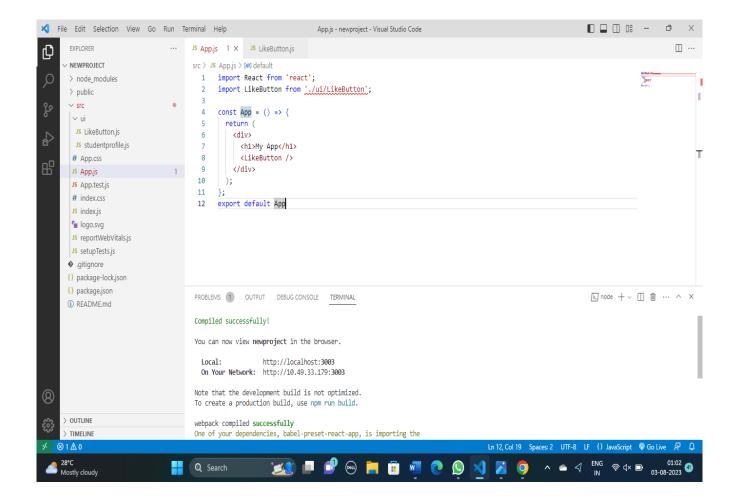
Welcome to our website!

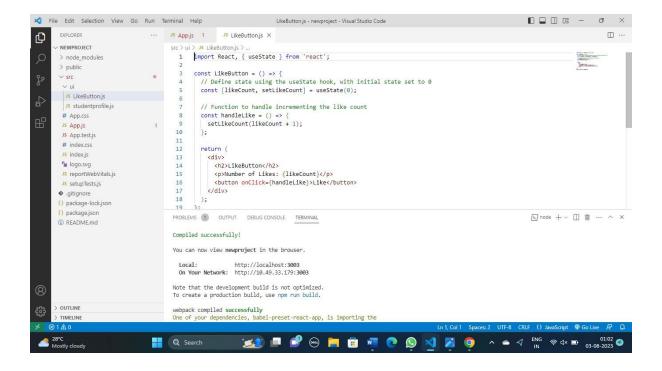


In-Lab-1:

EXERCISE:2

To test the candidate's understanding of state management in React components. It assesses their ability to define and update state using the useState hook. The question also evaluates their skill in manipulating state based on user interactions, such as button clicks, and reflecting the updated state in the component's UI.





OUTPUT:



LikeButtonNumber of Likes: 10





Sample VIVA-VOCE Questions (In-Lab)

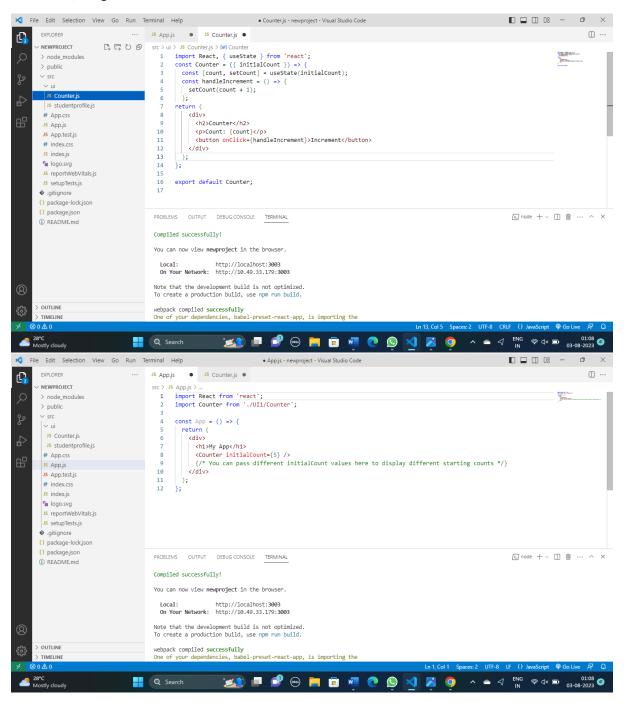
ning: - clu-laps 3. What is prop driving in React? the prop driving in Read refers to the process of bozzered books quondy unquite radare or wested components in order to reach a specific shild component deep down the component tree 2 what is an event in react An event is an action that could be triggered of as a result of the user action or system generaled 13. Does React took work with static typing? Hooks work were designed with static typing . in mind Because they're functions they are eaiser to type correctly than pattern's like higher-order components 4. Explain the lifectile wethods of React components in detail? A component's lifecycle has three main phases: the mounting phase, the updating phase, and the unmounting phase. s what are the different phases of React component's life cycle; The three phases are: - updating phases mounting phases unmounting phases

POST LAB:

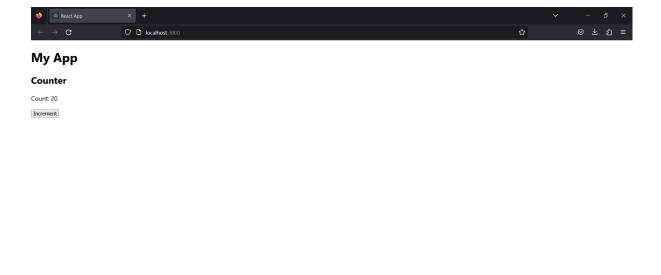
QUESTION:1

Create a "Counter" component that displays a count value and a button to increment the count by 1 when clicked. The initial count value should be passed as a prop.

Procedure/Program:



OUTPUT:

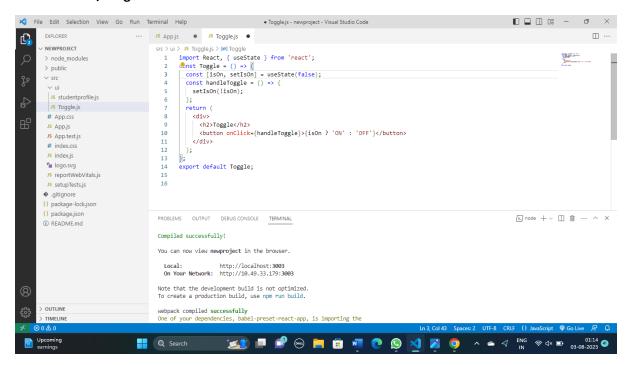




QUESTION:2

Create a "Toggle" component that displays a button. When the button is clicked, it toggles the state between "ON" and "OFF" and updates the button text accordingly.

sssProcedure/Program:



OUTPUT



