

**Q1. How many elements can be returned from a react component?**

Ans:- In React, a component can only return a single element. However, this element can have multiple child elements nested within it.

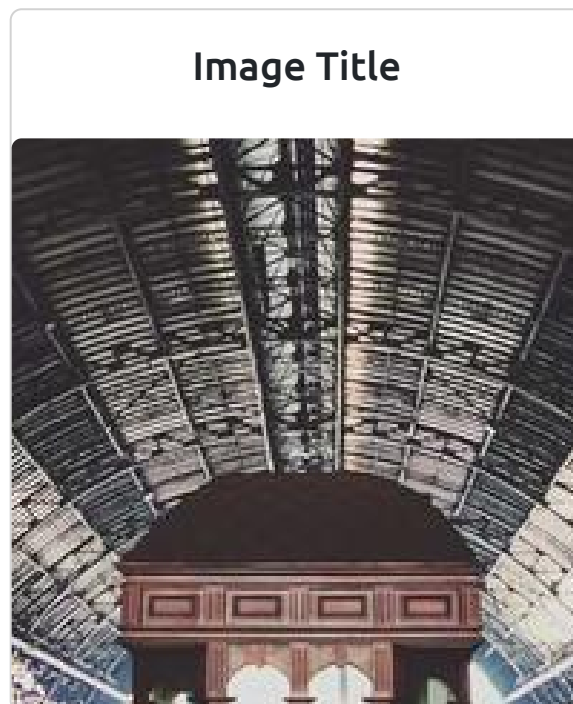
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**Q2. Create a class component that renders a button which shows how many times it has been clicked.**

5 numbers of time button pressed.

**Q3. Create a class component that renders a times table depending on the input "number" prop**

Enter a number

**Q4. Create a class component - , that takes the following props: src, title, altText, href; The component should render an image with title on top and clicking the image should open the link in new tab.****Q5. Create a class component that renders a button, which when clicked 5 times, renders a win message and disables the button.**

0 times button pressed.



**Q6. Why do we use `setState` instead of directly mutating `this.state`?**

Ans: We use `setState` instead of directly mutating `this.state` in React to ensure that the component remains in sync with its internal state and to avoid bugs caused by state inconsistencies. Direct mutations can lead to unexpected behavior and can prevent React from triggering a re-render of the component.

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**Q7. Create two class components `List` and `TodoItem`. The "`List`" component renders 3 "`TodoItems`". The "`TodoItem`" component takes a prop of "`todo`" which is a text and displays the text and a button next to it. The button has text - "`Mark as complete`", on clicking the button, the "`TodoItem`" does not render anything anymore**

Task 1

Mark as complete

Task 2

Mark as complete

Task 3

Mark as complete