

## **Question 2: What are keys in React, and what happens if you do not provide a unique key?**

### **Keys in React:**

- Keys are unique identifiers used by React to track elements in a list.
- They help React efficiently update the UI by identifying which elements need to be changed, added, or removed.

### **What happens without a unique key:**

- If a unique key is not provided, React will use the index of the array by default.
- However, this can lead to issues, especially when the list is dynamically updated.
- For example, reordering or removing items may cause React to mistakenly re-render the wrong elements.