**Question 1: How do you render a list of items in React? Why is it important to use keys when rendering lists?**

**Rendering a list:**

In React, you typically render a list using the .map() method. Example:

const fruits = ['Apple', 'Banana', 'Mango'];

const FruitList = () => {

return (

<ul>

{fruits.map((fruit, index) => (

<li key={index}>{fruit}</li>

))}

</ul>

);

};

**Importance of keys:**

* Keys help React identify which items have changed, are added, or are removed.
* They improve performance during re-renders by giving each list item a stable identity.

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

**What are keys?**

* Keys are unique identifiers assigned to elements in a list.
* They are passed as the key prop and should be unique among siblings.

**What happens if you don’t provide a unique key?**

* React may re-render elements inefficiently, leading to bugs or incorrect UI updates.
* For example, animations or form inputs may behave unexpectedly because React can't track items properly.