

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

To render a list of items in React, you use the `map()` method to iterate over an array and return JSX for each item.

Example:

```
const items = ['Apple', 'Banana', 'Orange'];
```

```
function ItemList() {  
  return (  
    <ul>  
      {items.map((item, index) => (  
        <li key={index}>{item}</li> // Rendering list items with a unique key  
      ))}  
    </ul>  
  );  
}
```

Why Keys are Important:

- Keys help React identify which items have changed, been added, or removed. This improves performance and ensures that components are efficiently re-rendered.
- Without keys, React might incorrectly re-render components, causing bugs or unnecessary re-renders.