**Conditional Rendering and lists and keys**

We can use second braces inside JSX once. We cannot write any { or } inside a { or }. Only one times can have { or }. Mainly we can’t use crurly braces inside a carly braces.

**Some way of conditional rendering:**

// using && operator when one is true then other will be executed

{

  open && <button>open this button</button>;

}

// conditional operator

{

  open === true ? "show this button" : "hide this button";

}

// return in functional as well class components if we don't want to render

if (!noNeedRender) return null;

**array.map** give us to use inline looping inside JSX element using curly braces. After mapping we get new array.

 <div className="App">

      <header className="App-header">

        {quantities.map((quantity) => (

          <Clock key={quantity} quantity={quantity} />

        ))}

      </header>

    </div>

**Characteristic of JSX:** it can render array of JSX element as well as single element. But each element should have a unique key.

When we create **single element**, react itself add a unique key to the element. But when we use **array of JSX element**, we need to give unique key. In this array of JSX element, react have not any control. Because it is mainly control to us. Array can be dynamic or null etc. that is why manually we need pass unique key to the each element of the of JSX element.

**Note:** do not use array index as unique key in array of JSX element.