



Conditional Rendering in React

Conditional rendering means showing different UI elements based on conditions — like whether a user is logged in, a value is `true`, or a list is empty.

React makes it super easy using JavaScript logic.

1. Using `if` Statements


jsx

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```
function Welcome(props) { if (props.isLoggedIn) { return <h1>Welcome back!</h1>; } return <h1>Please log in.</h1>; }
```

2. Using Ternary Operator

jsx

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```
function Greeting({ isMorning }) { return ( <h2> {isMorning ? "Good Morning!" : "Good Evening!"} </h2> ); }
```

3. Using Logical AND (`&&`)

jsx

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```
function Notification({ hasMessages }) { return ( <div> <h2>Inbox</h2> {hasMessages && <p>You have new messages!</p>} </div> ); }
```

`&&` works because if the condition is false, React skips rendering the next part.

4. Hiding Components

Just render `null` :

```
function ShowBox({ show }) { if (!show) return null; return <div>This is visible</div>; }
```

✓ Real Example: Toggle Login

```
import { useState } from 'react'; function LoginControl() { const [isLoggedIn, setIsLoggedIn] =
useState(false); return ( <div> {isLoggedIn ? ( <button onClick={() =>
setIsLoggedIn(false)}>Logout</button> ) : ( <button onClick={() =>
setIsLoggedIn(true)}>Login</button> )} <h2>{isLoggedIn ? "Welcome back!" : "Please login"}</h2>
</div> ); }
```