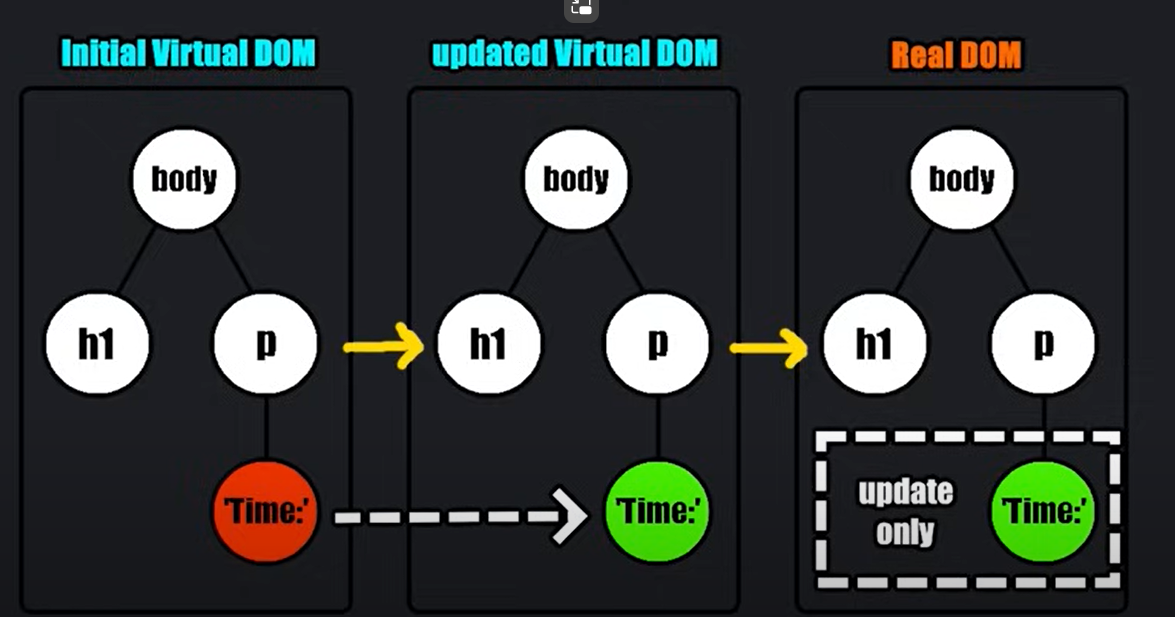
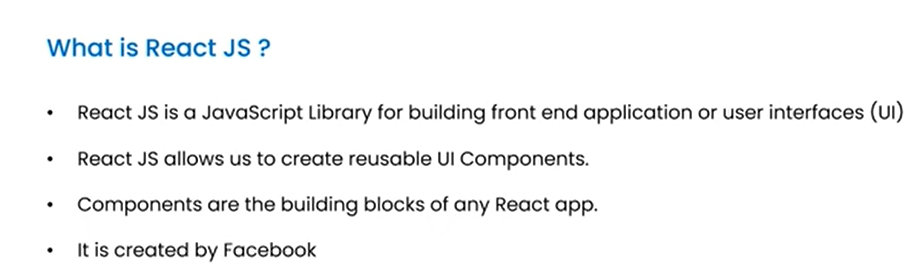
|  |
| --- |
| **REACT JS** |

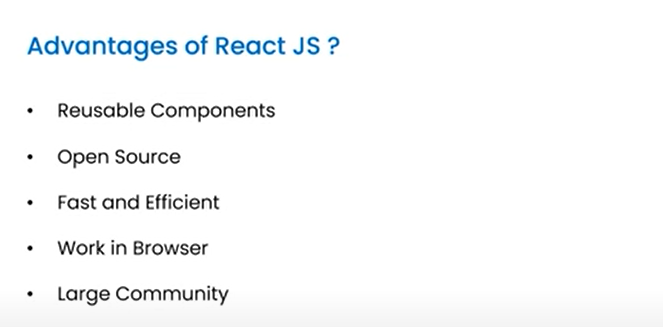
**REACT:**

* Open source library for building user interfaces.
* It is not a frame work.
* It is used to easily build and arrange user interfaces for web applications.
* React focuses on UI.
* Rich ecosystem.
* Component is a self-contained section of code that functions as a reusable building block .
* React uses a syntax extension of javascript known as JSX ( Javascript XML)
* JSX allows you to write HTML like code within our javascript files.
* React also utilizes a virtual DOM. It’s a light weight version of the real DOM of a web page.

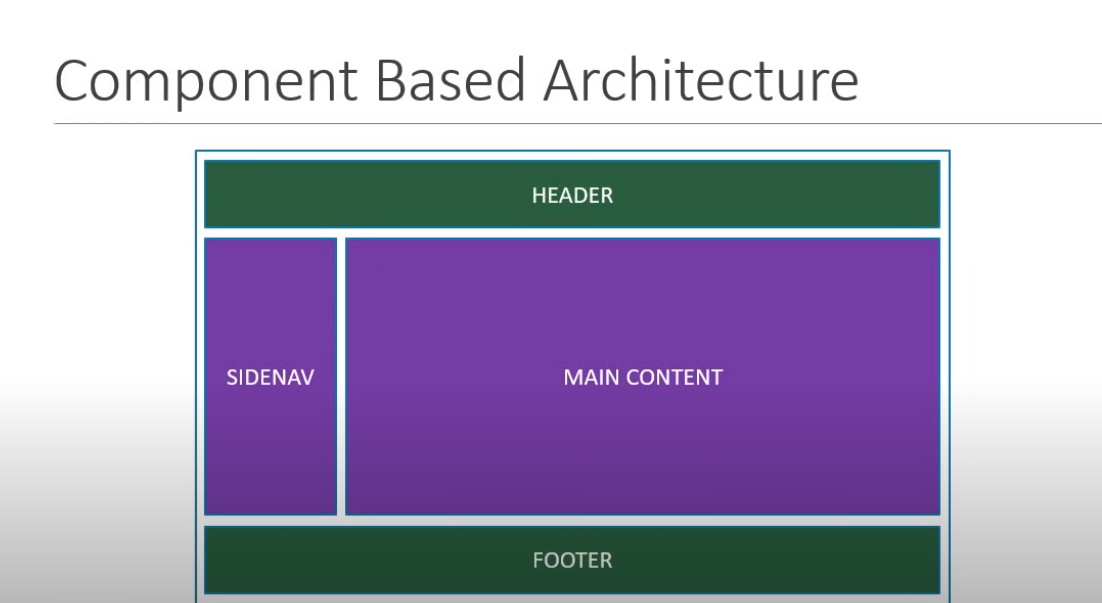


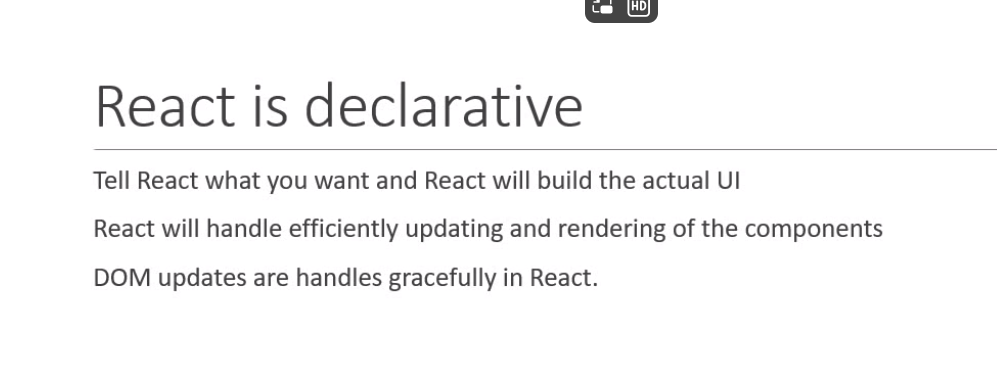


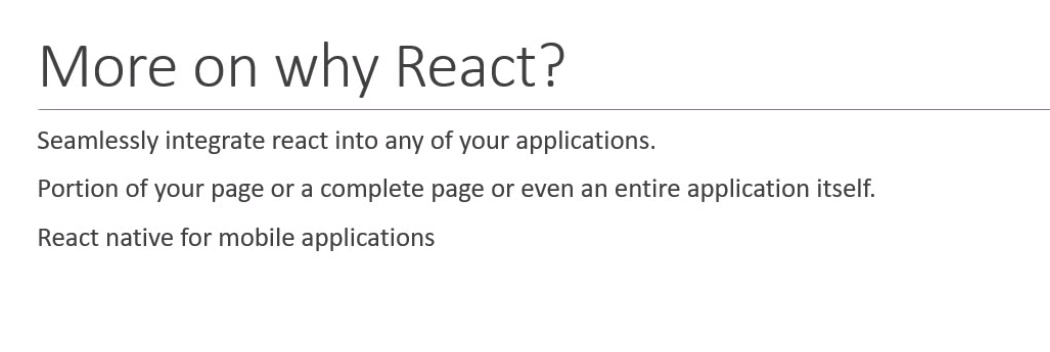




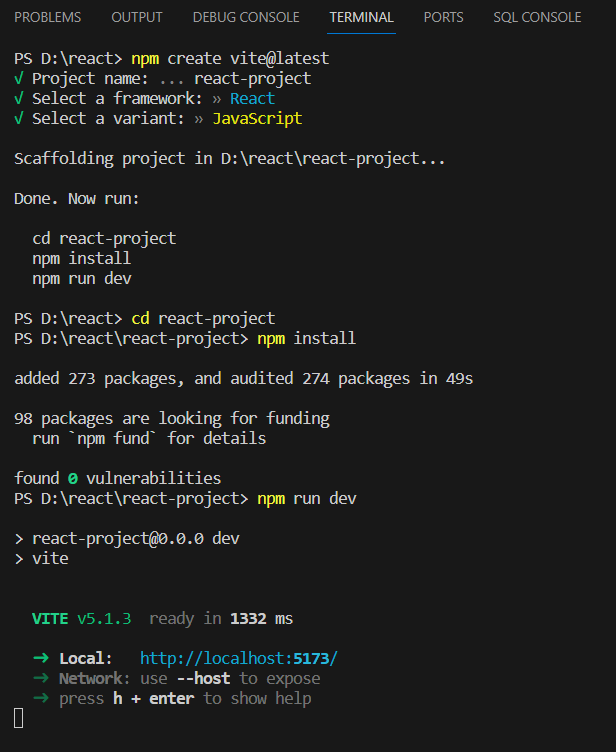


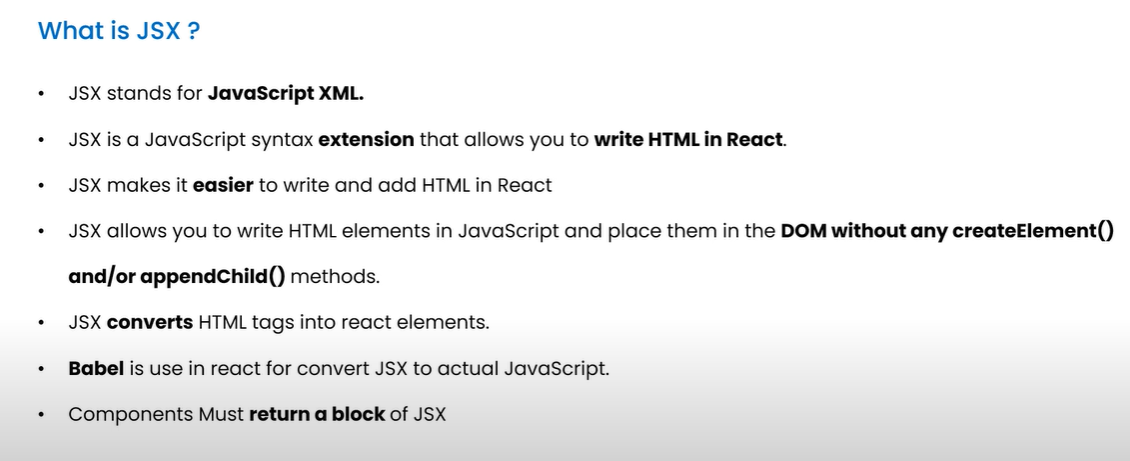






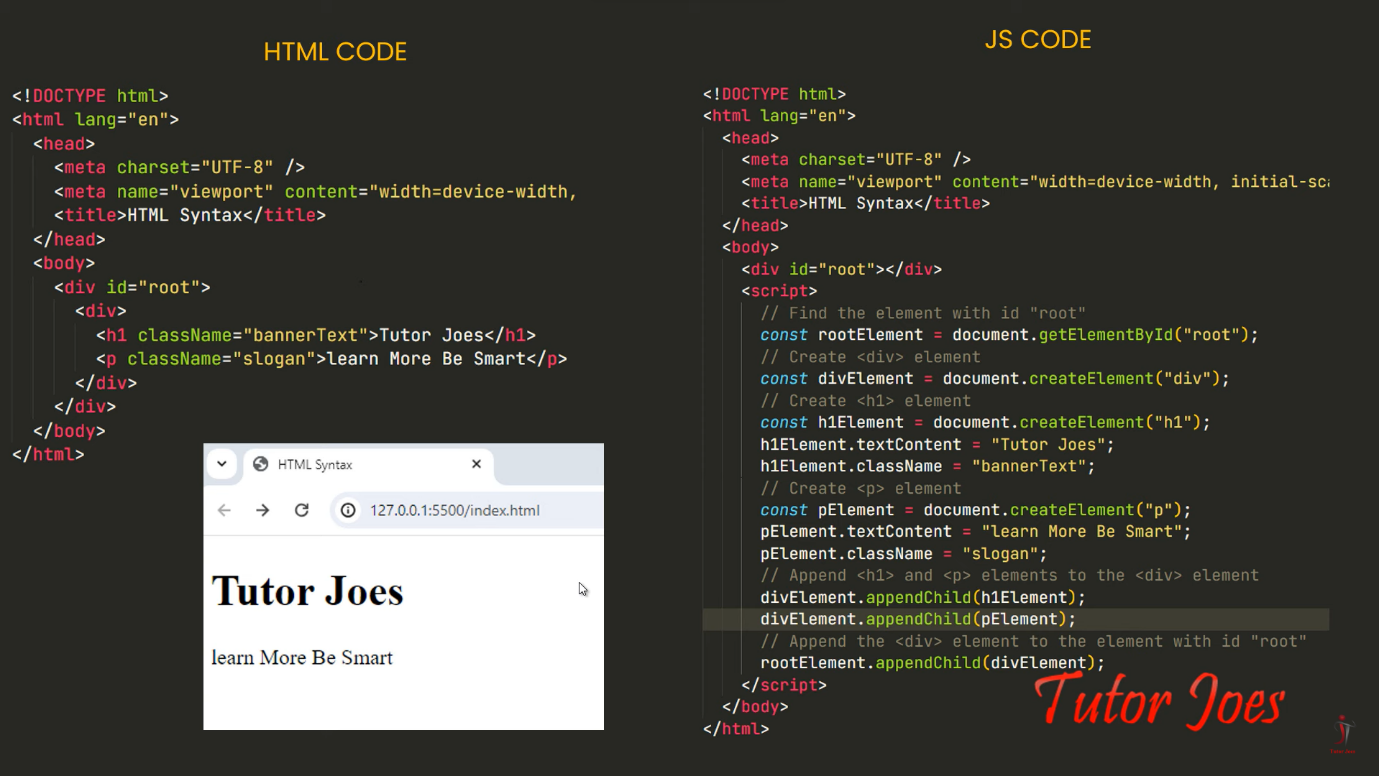
**RUN REACT ON VS CODE Commands:**

****



**Example:**

**Explanation:** HTML Code converted to JS Code using babel



**NOTE:**

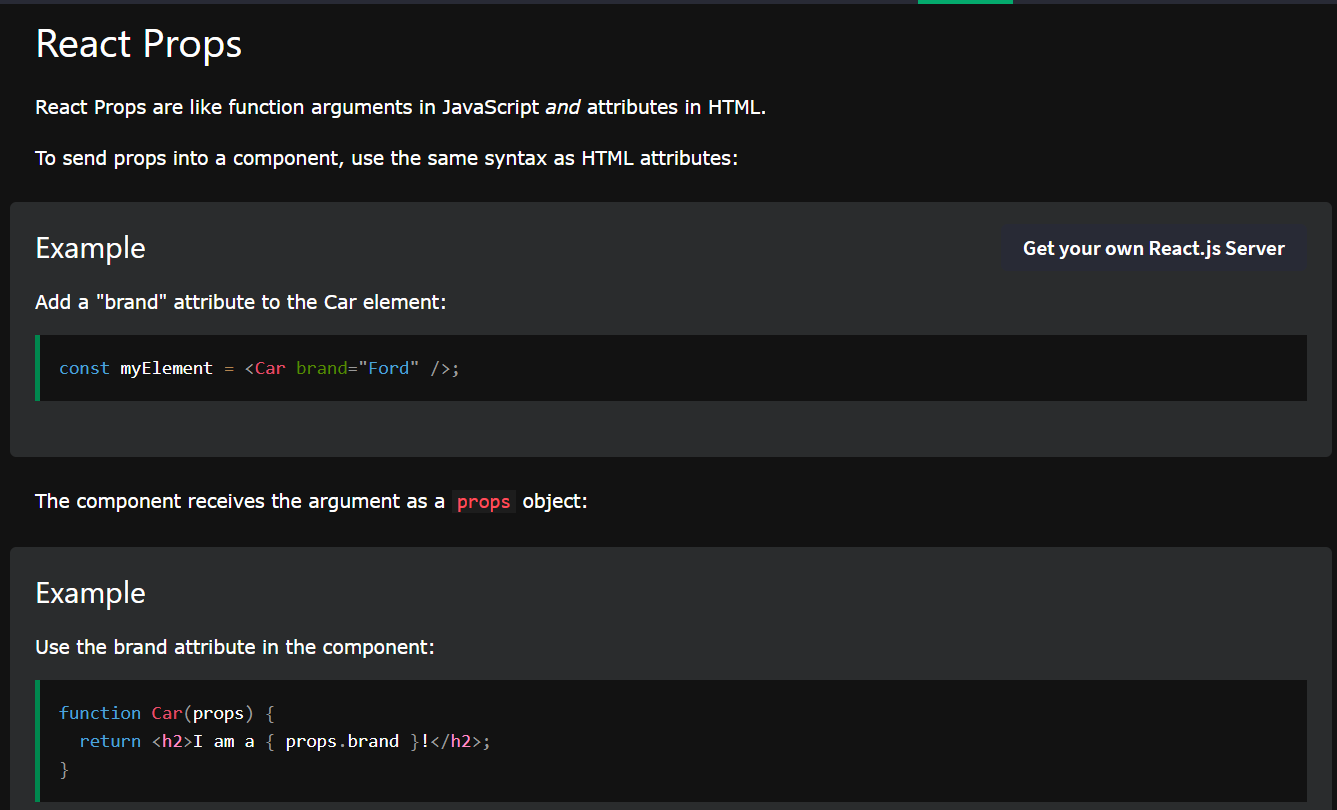
To convert JSX Code to Js code use **Babeljs.io**

Props and PropTypes in ReactJs

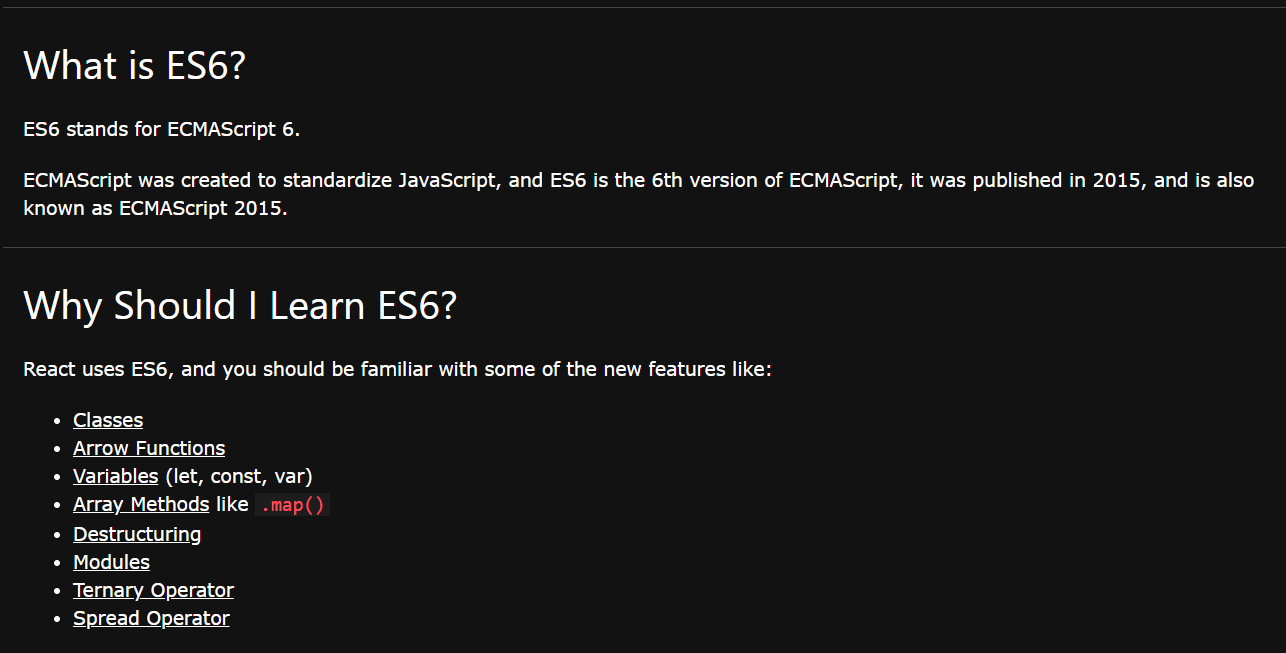
Props are arguments passed into React components.

Props are passed to components via HTML attributes.

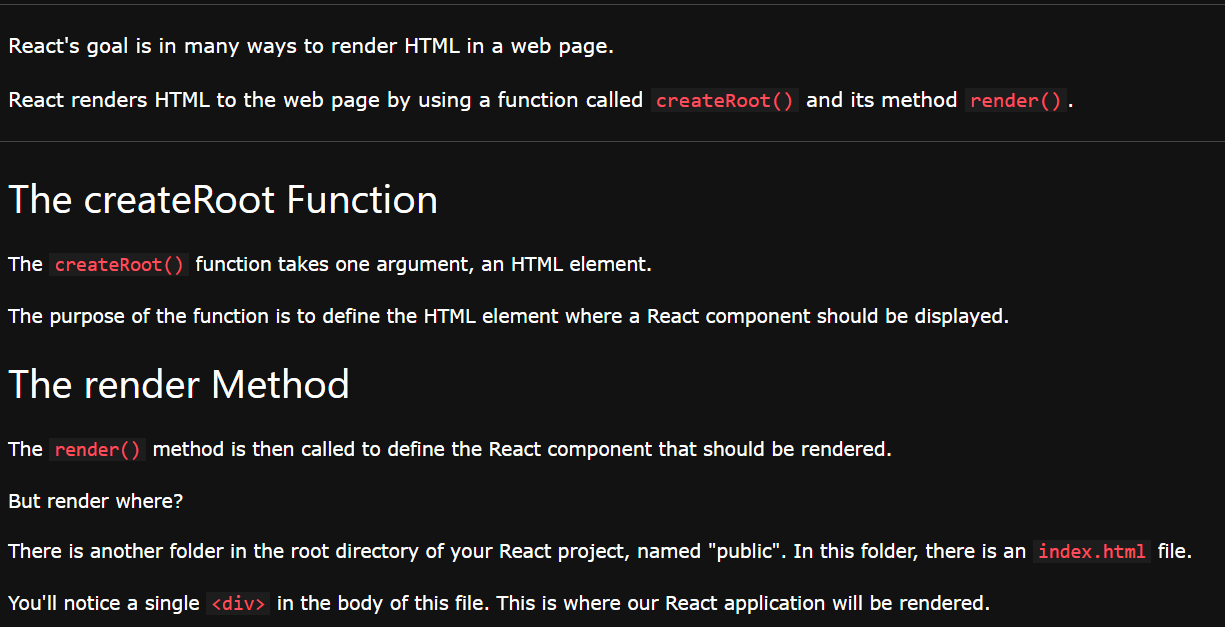
props stands for properties.



**React ES6**

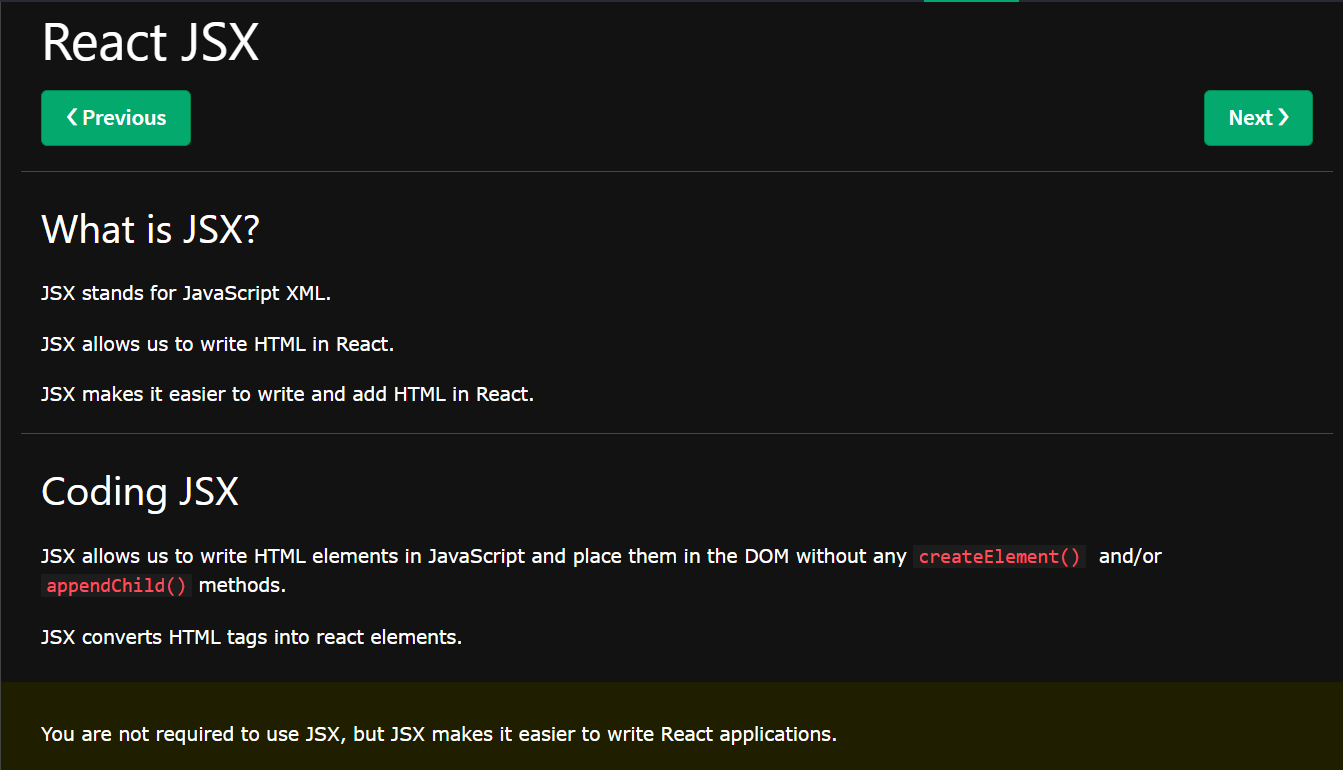
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**React Render HTML**

****

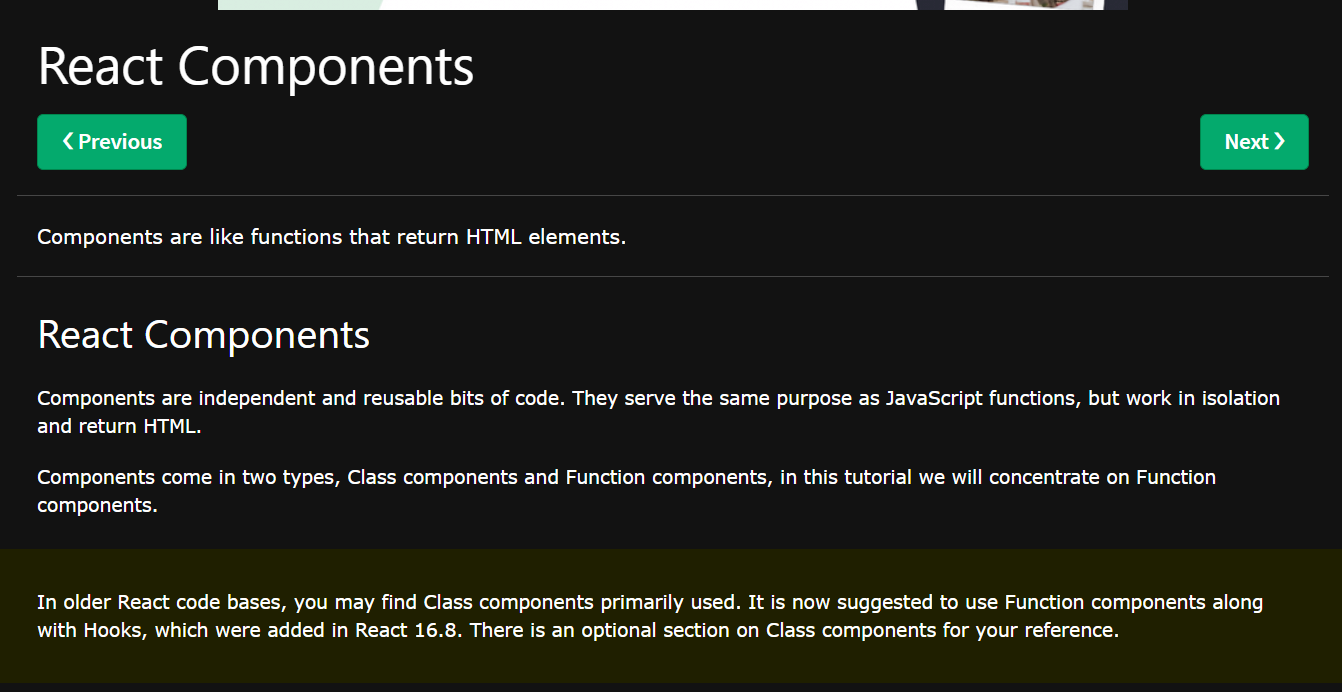
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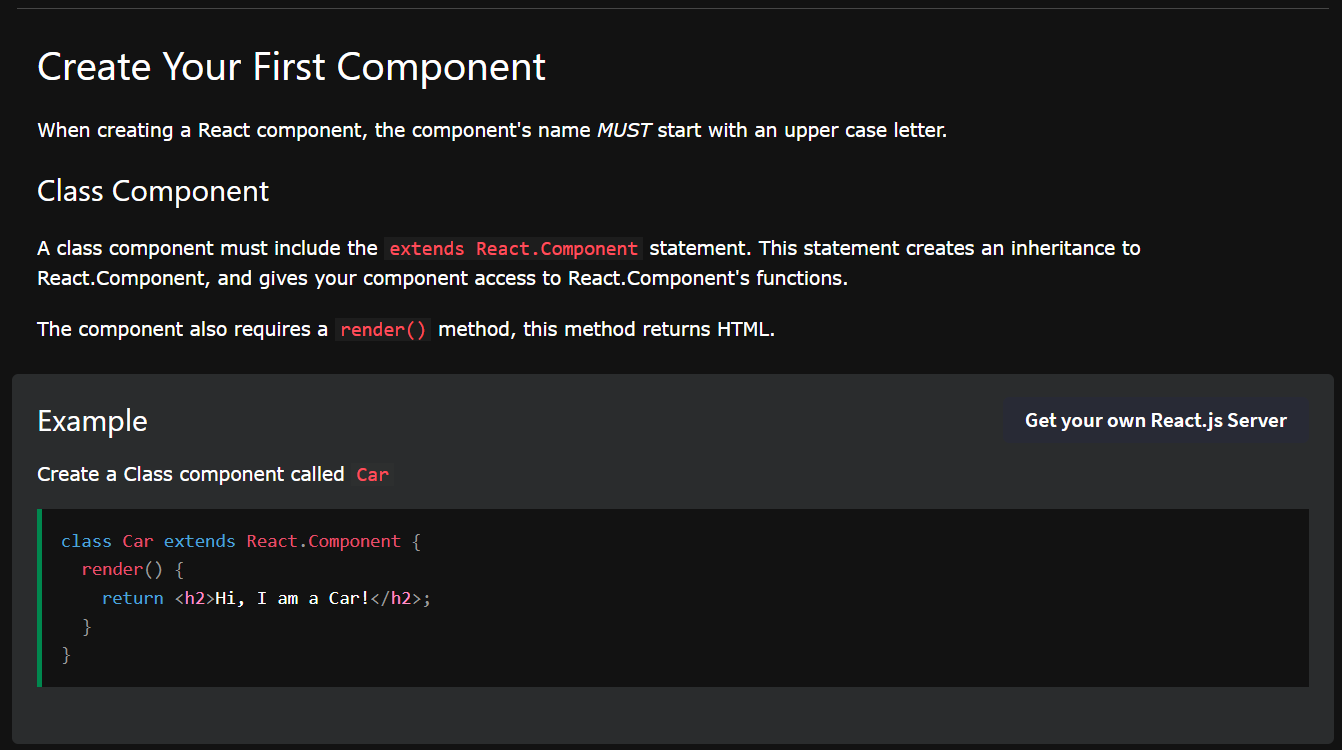
**React JSX**

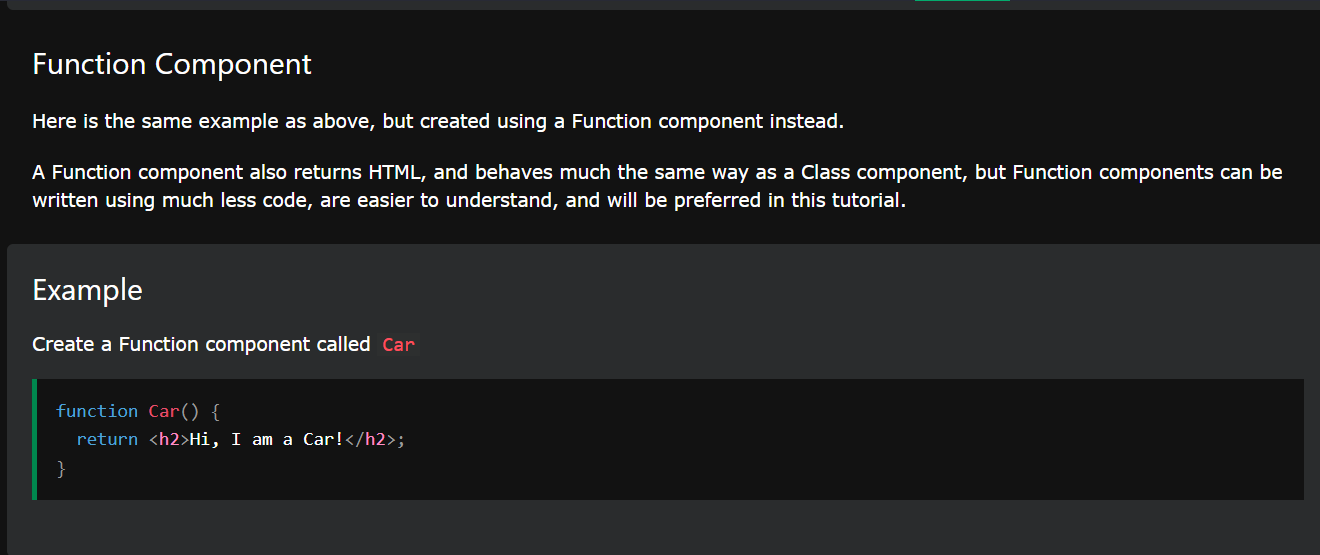
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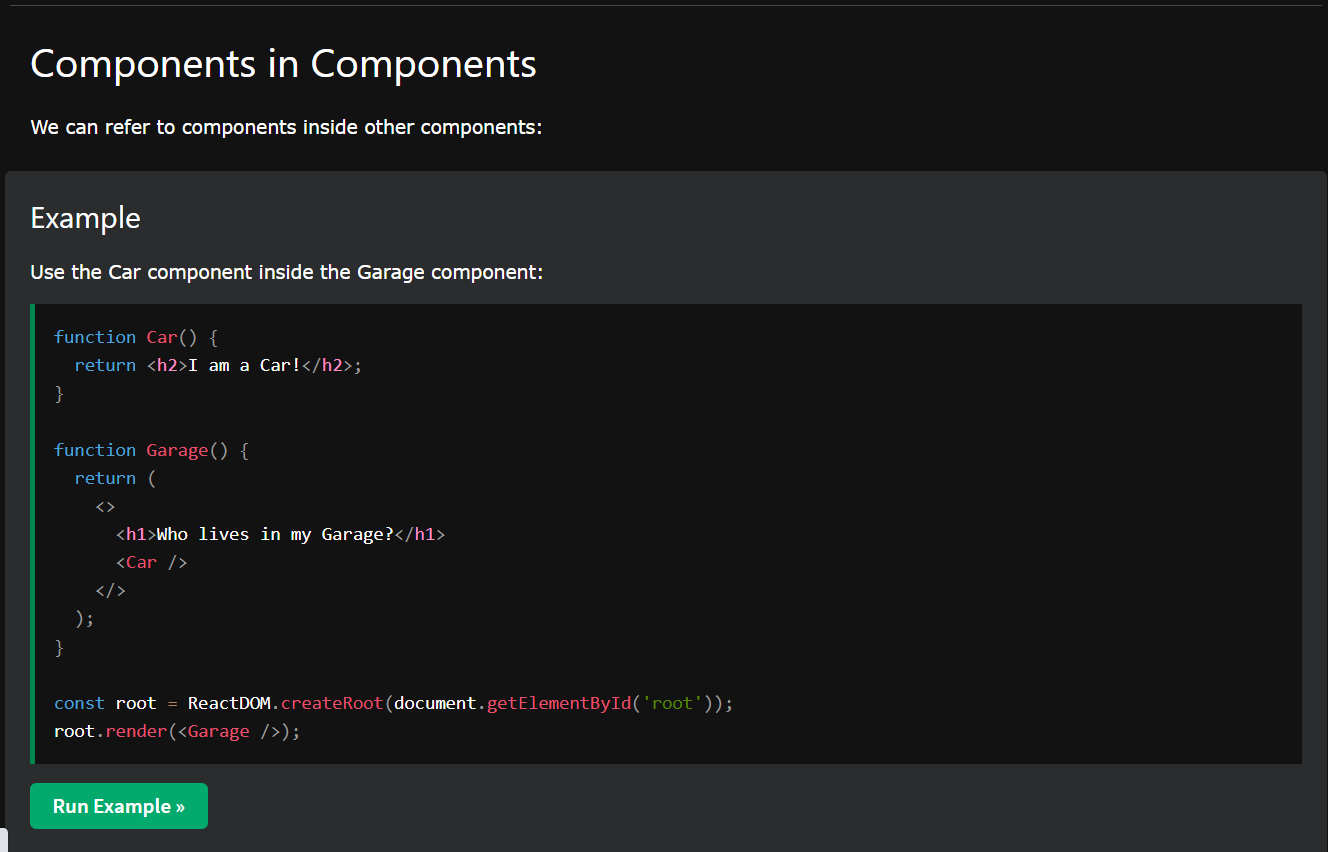
**React Components**

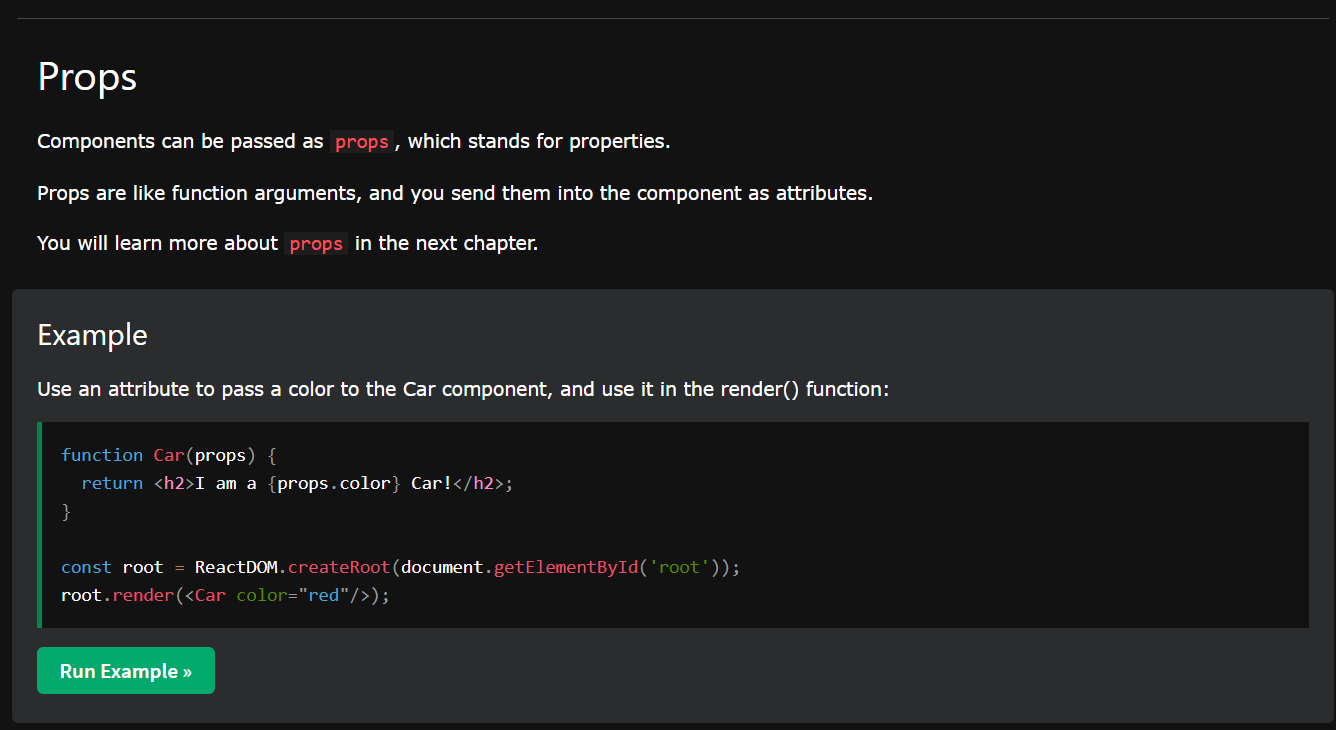
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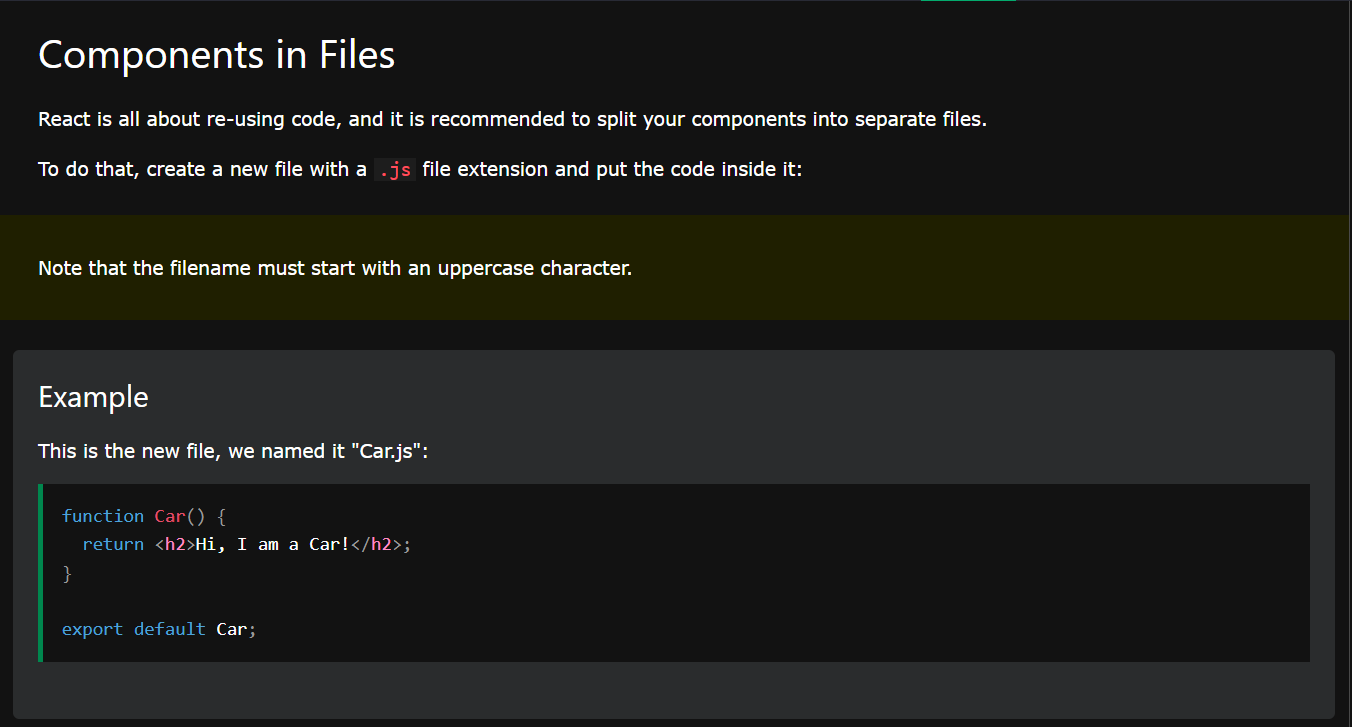
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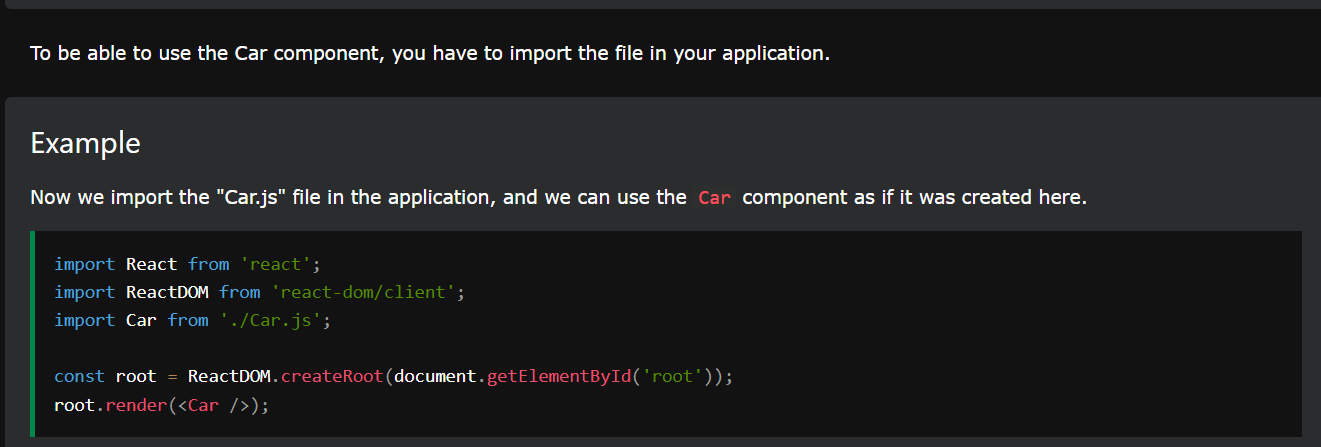
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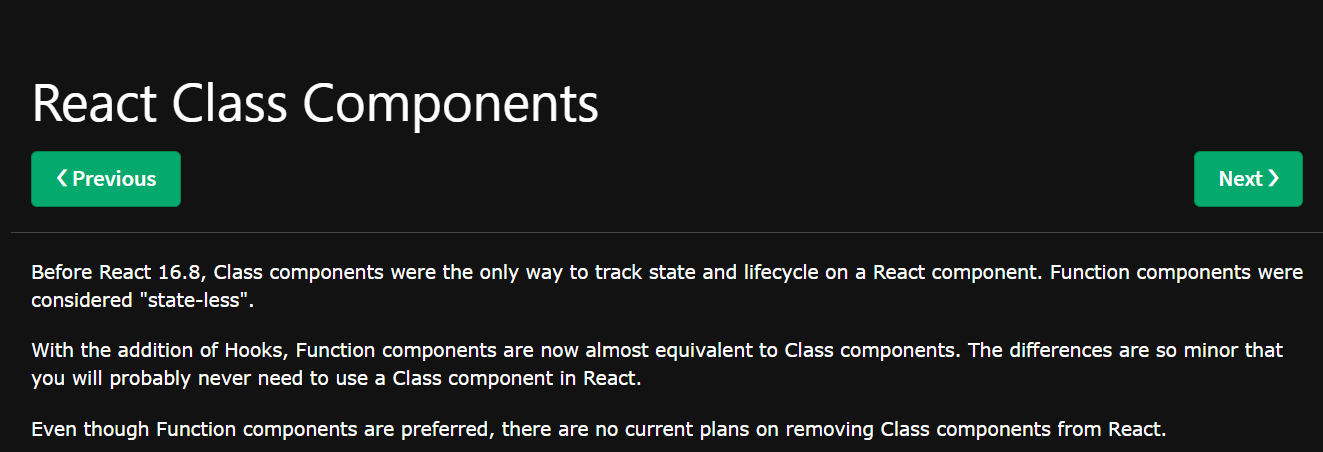
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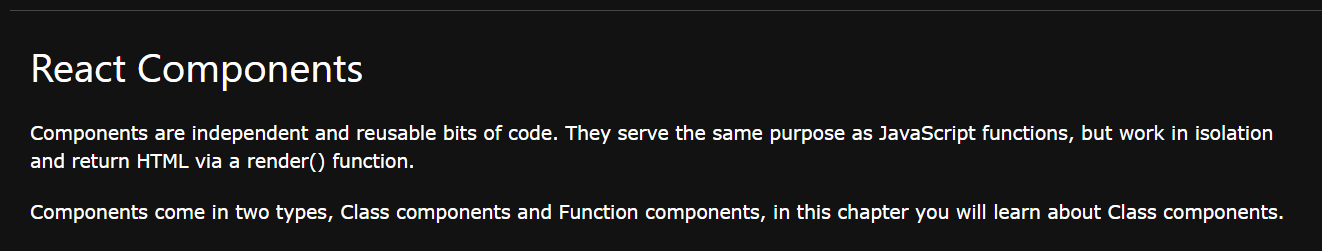
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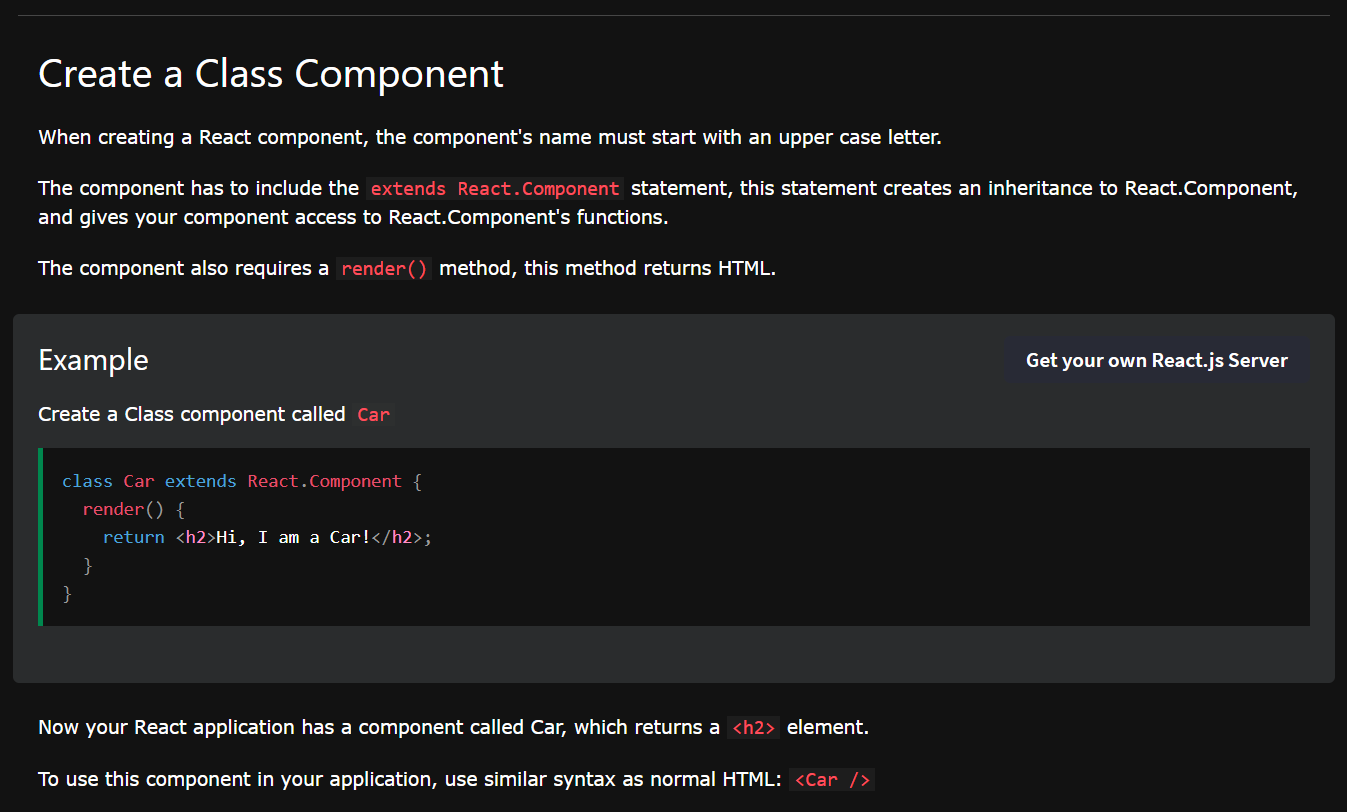
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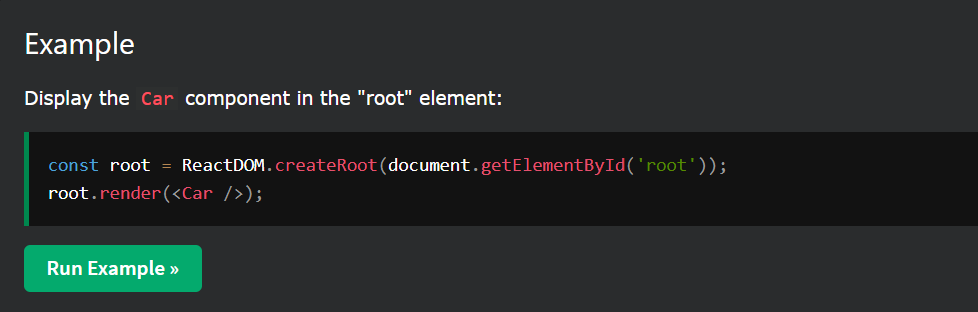
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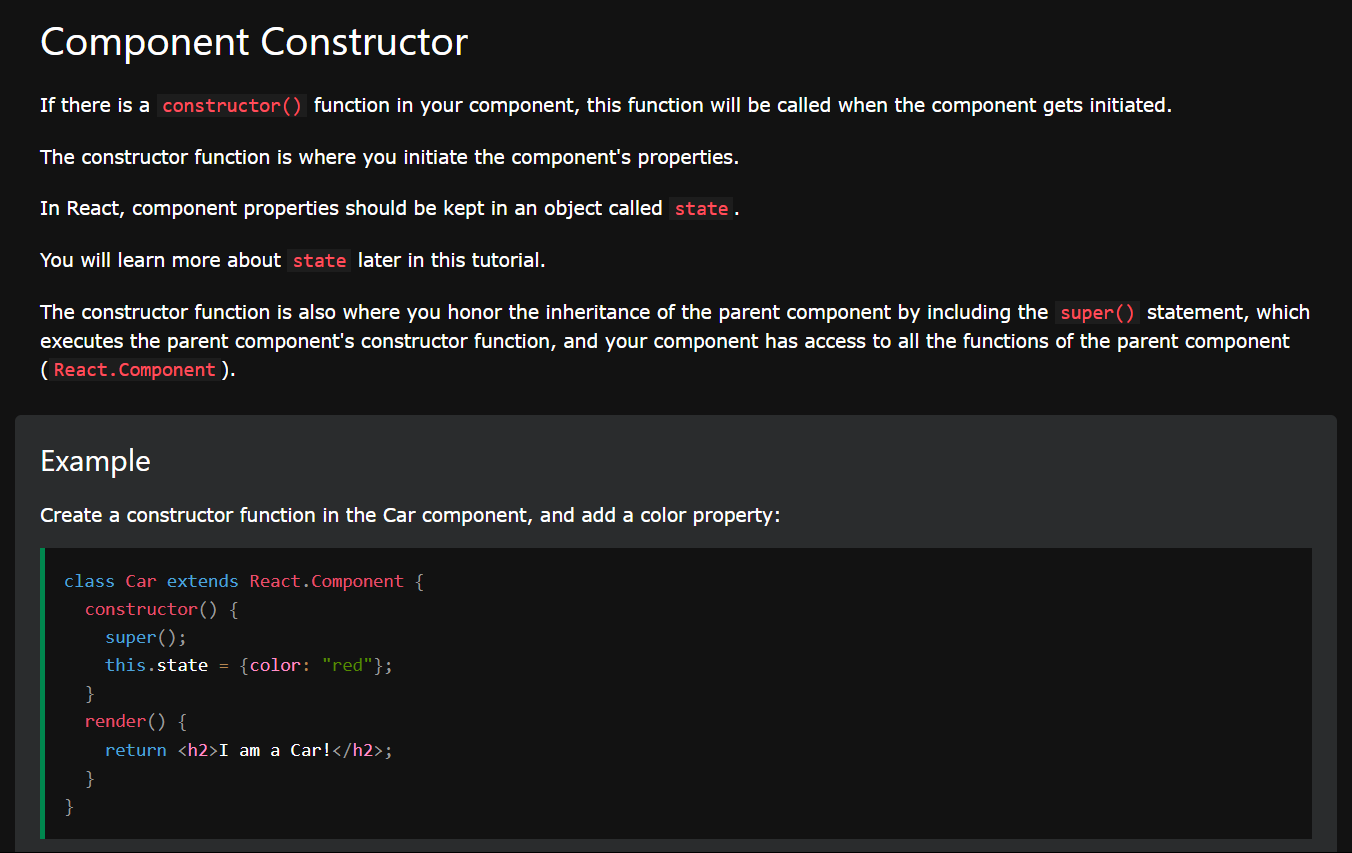
**React Class:**

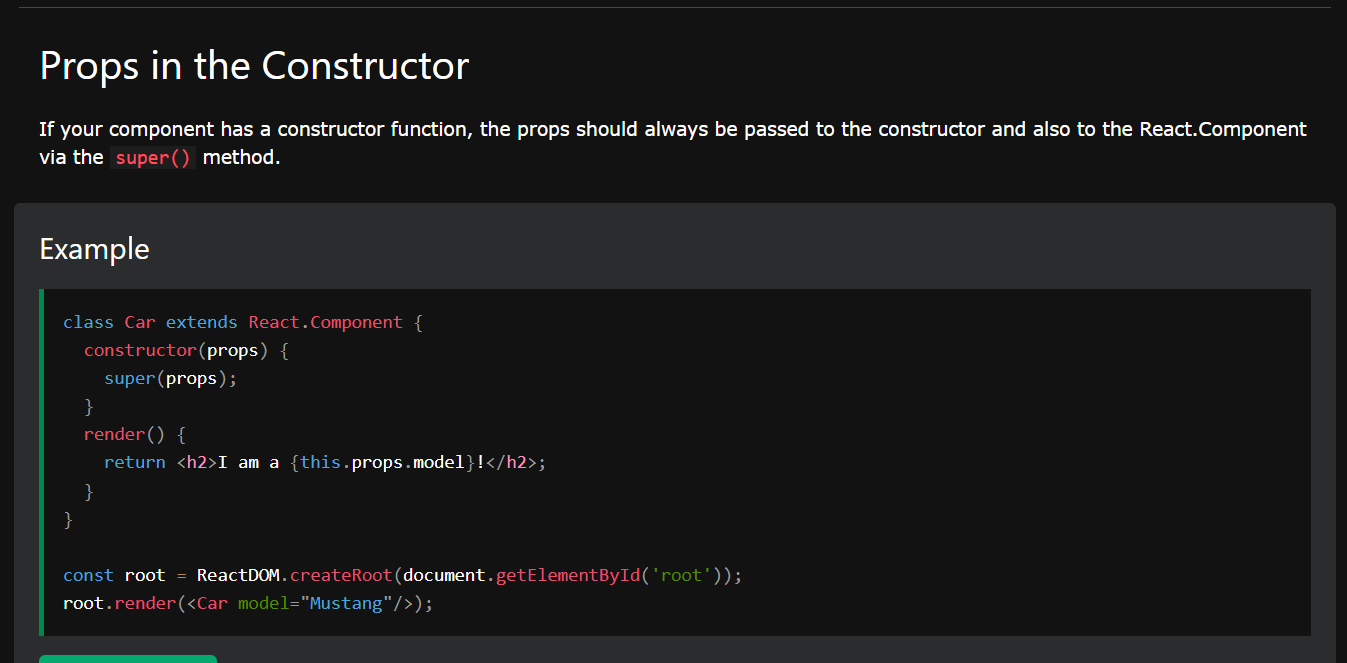
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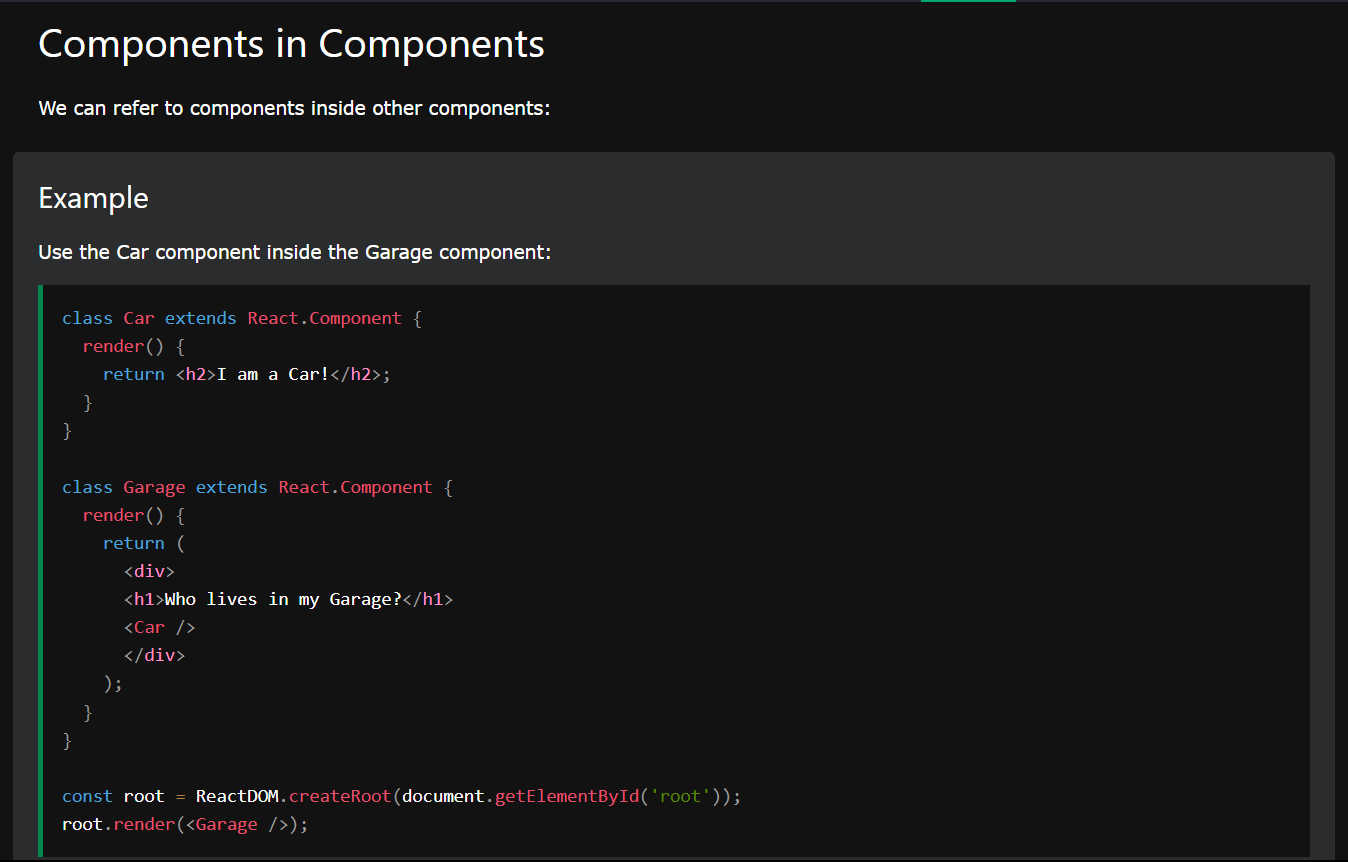
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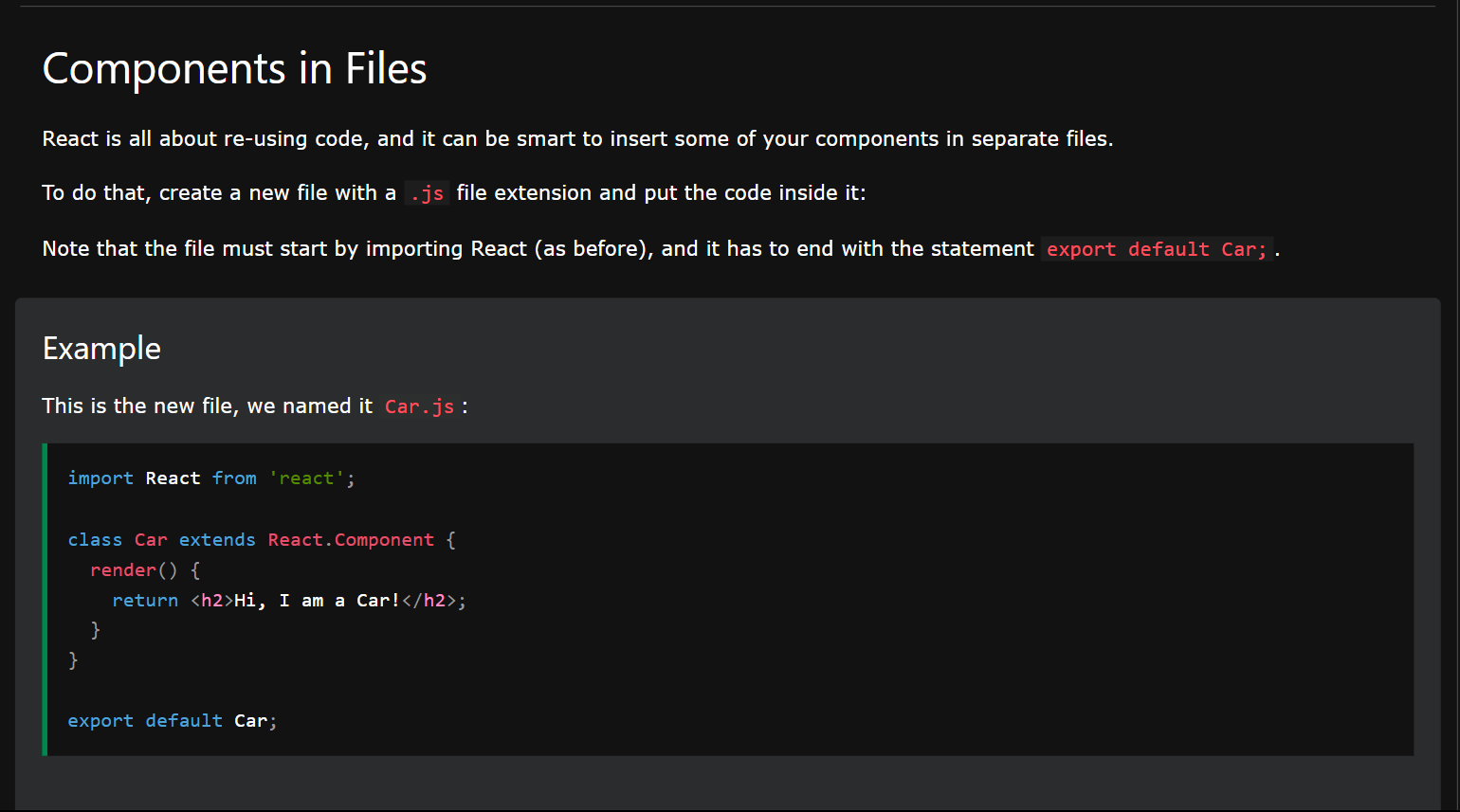
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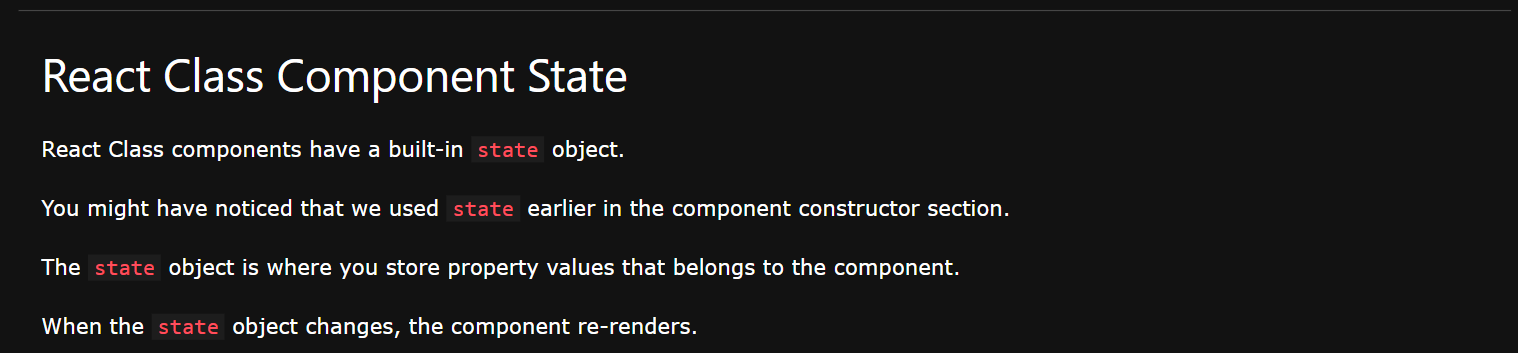
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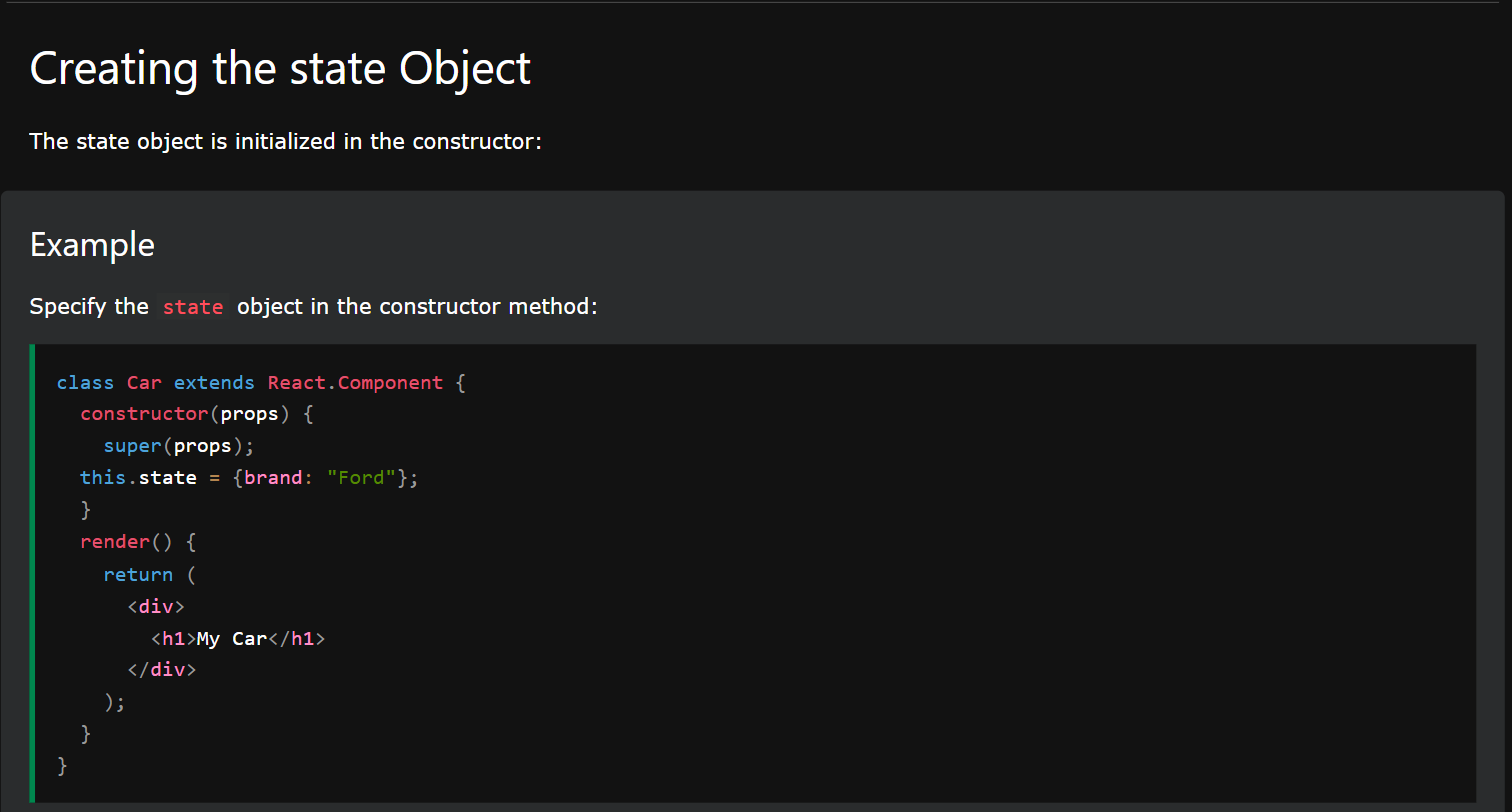
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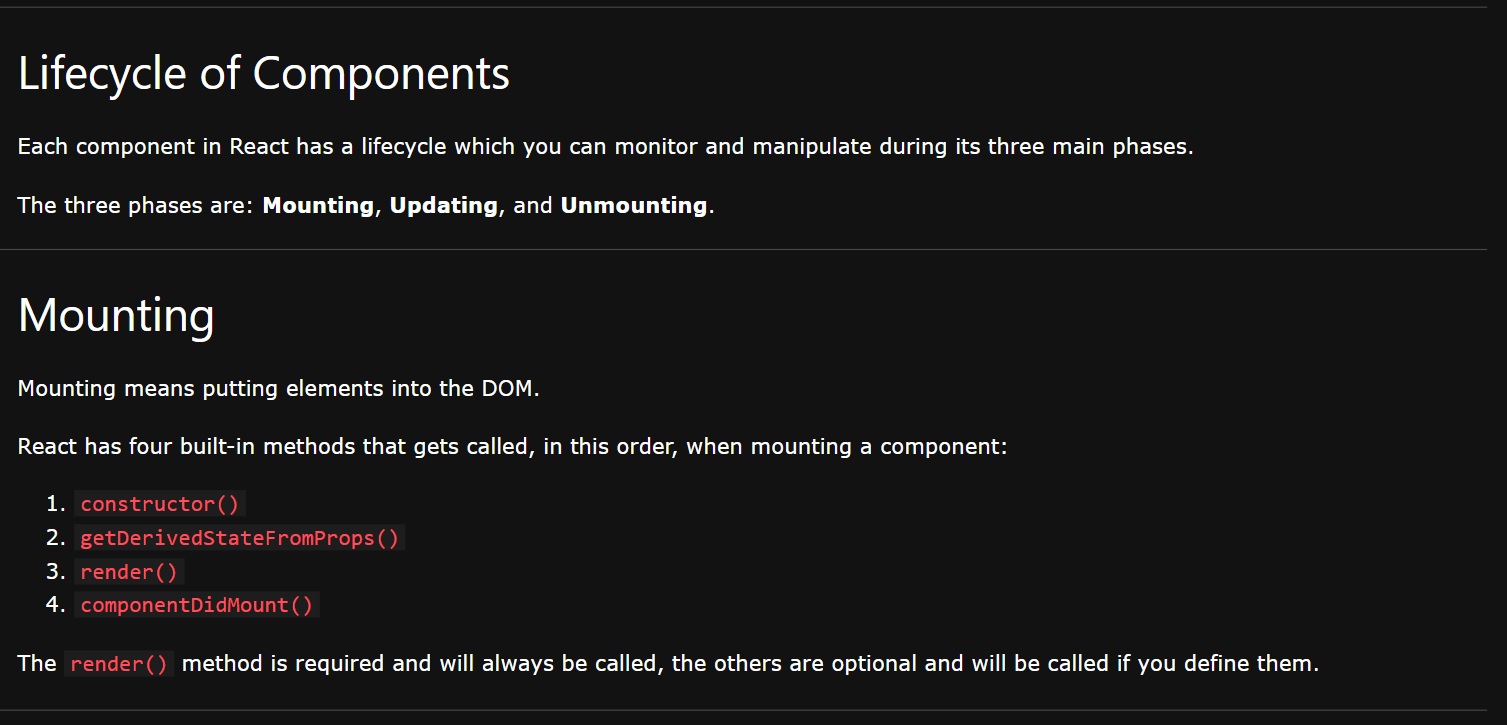
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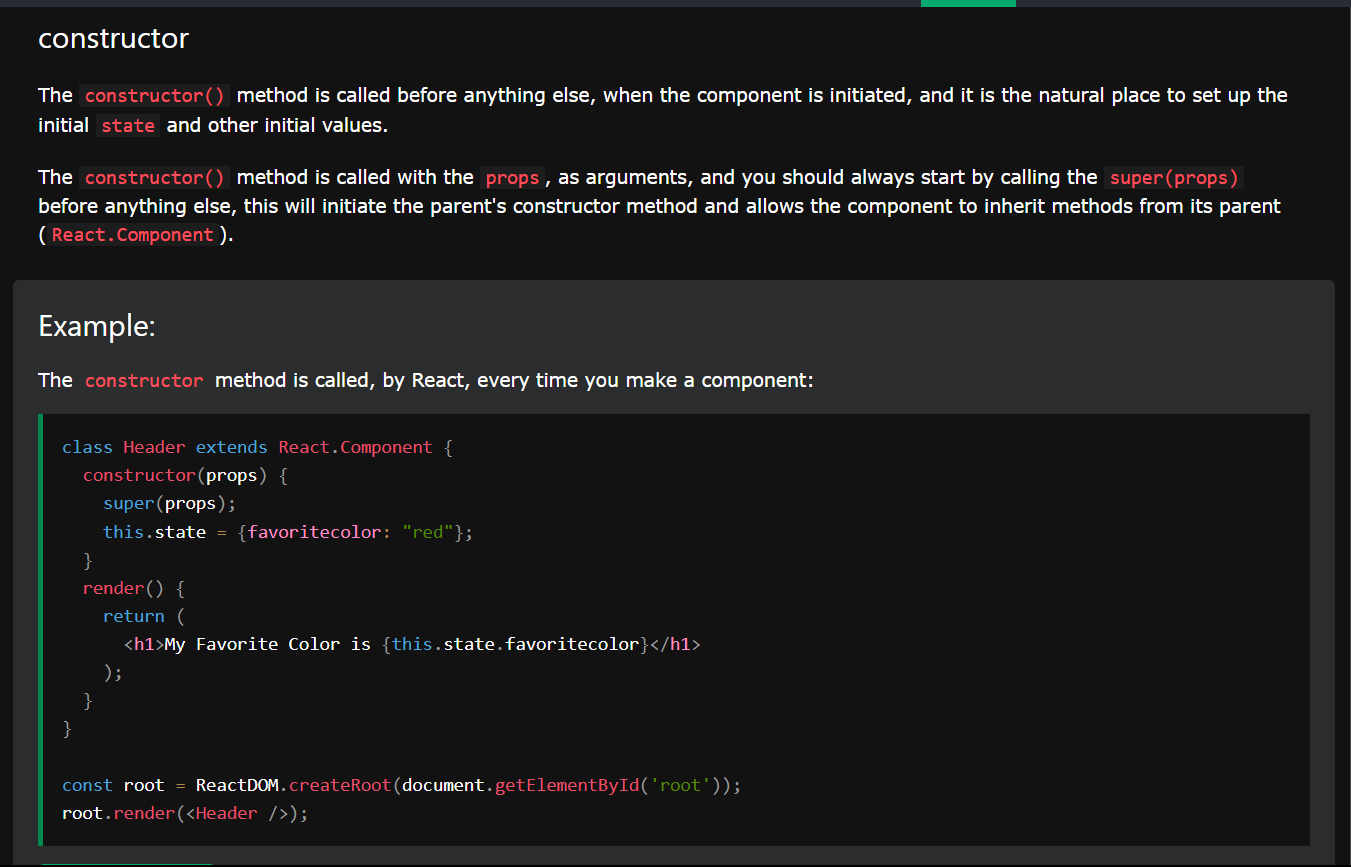
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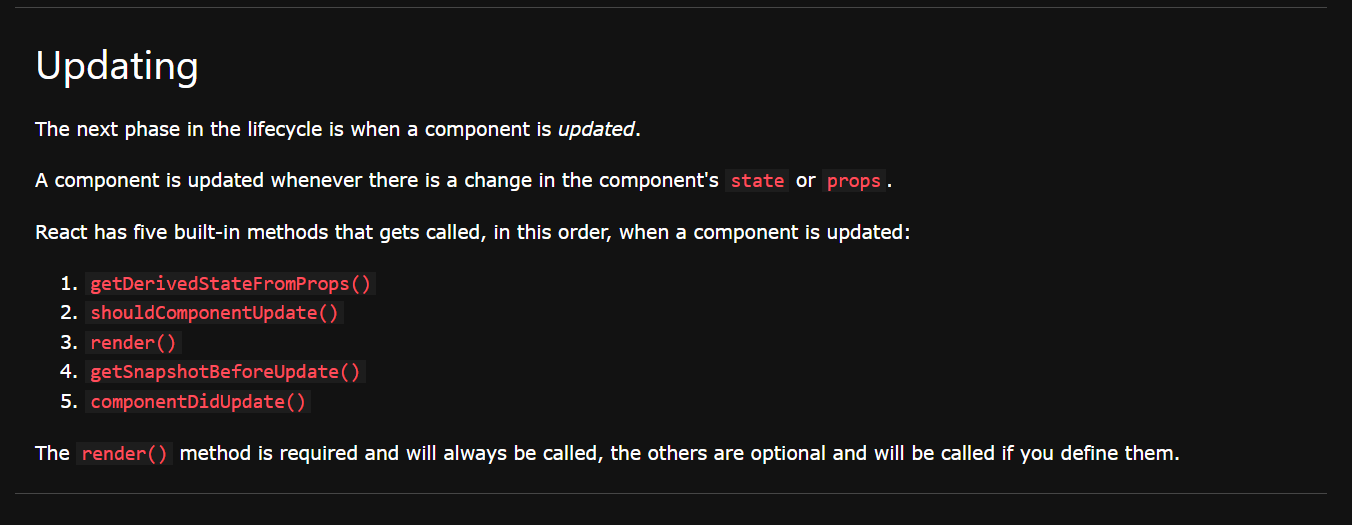


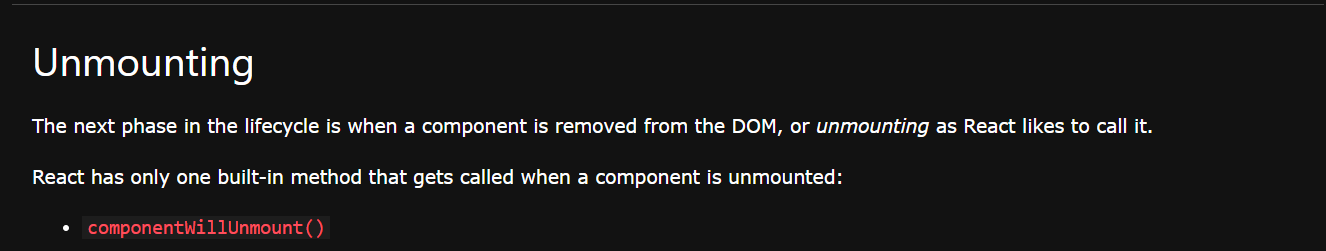




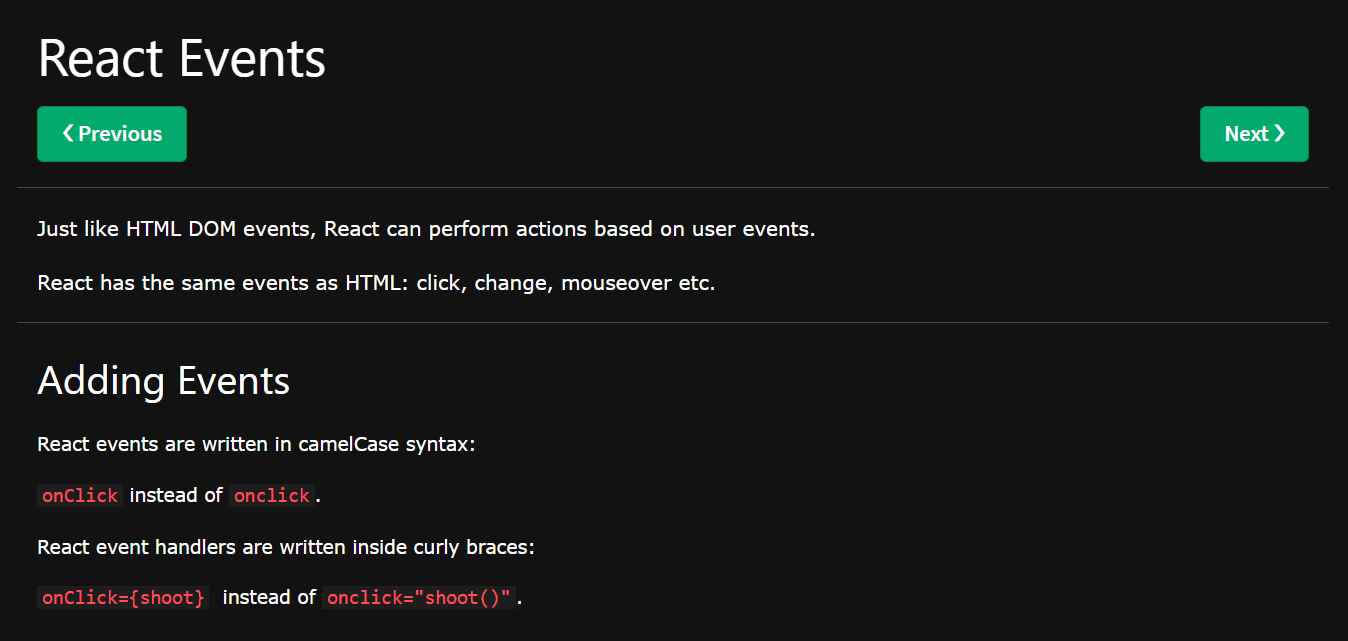






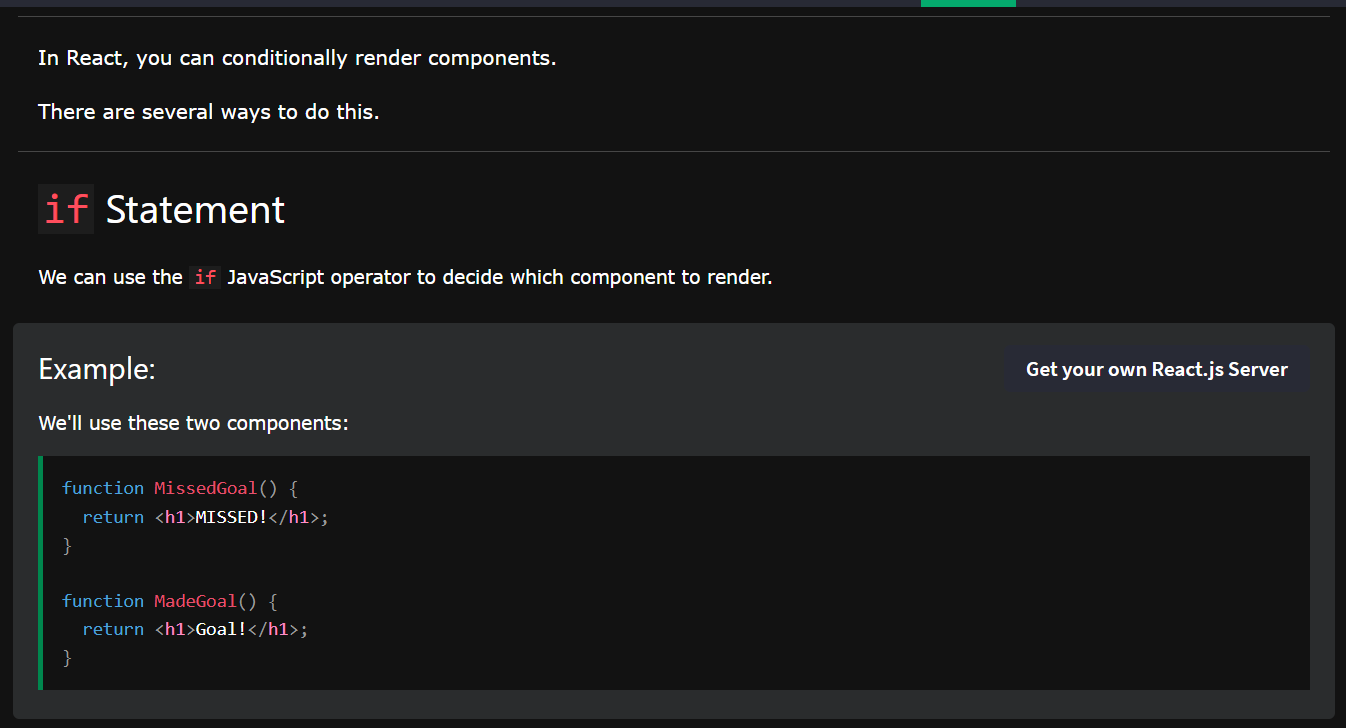


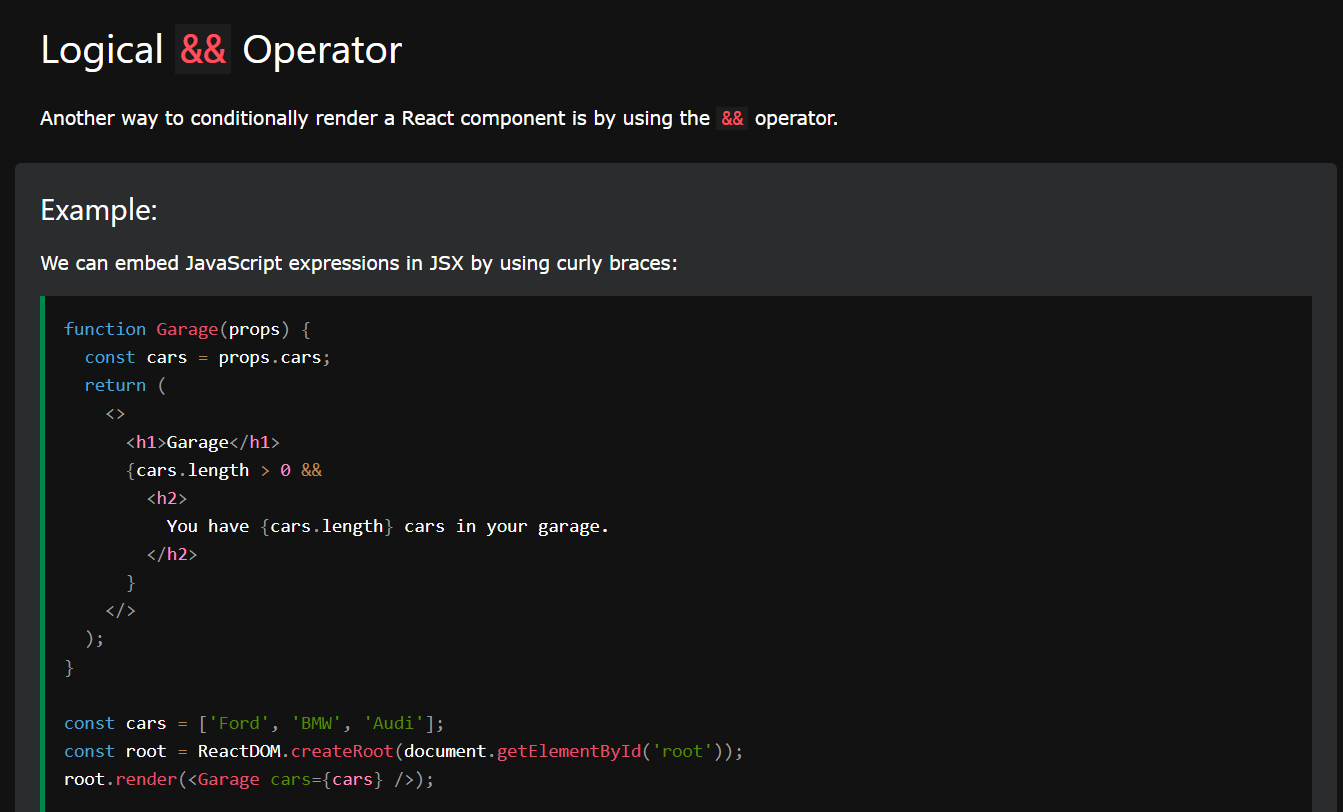
**React Events:**

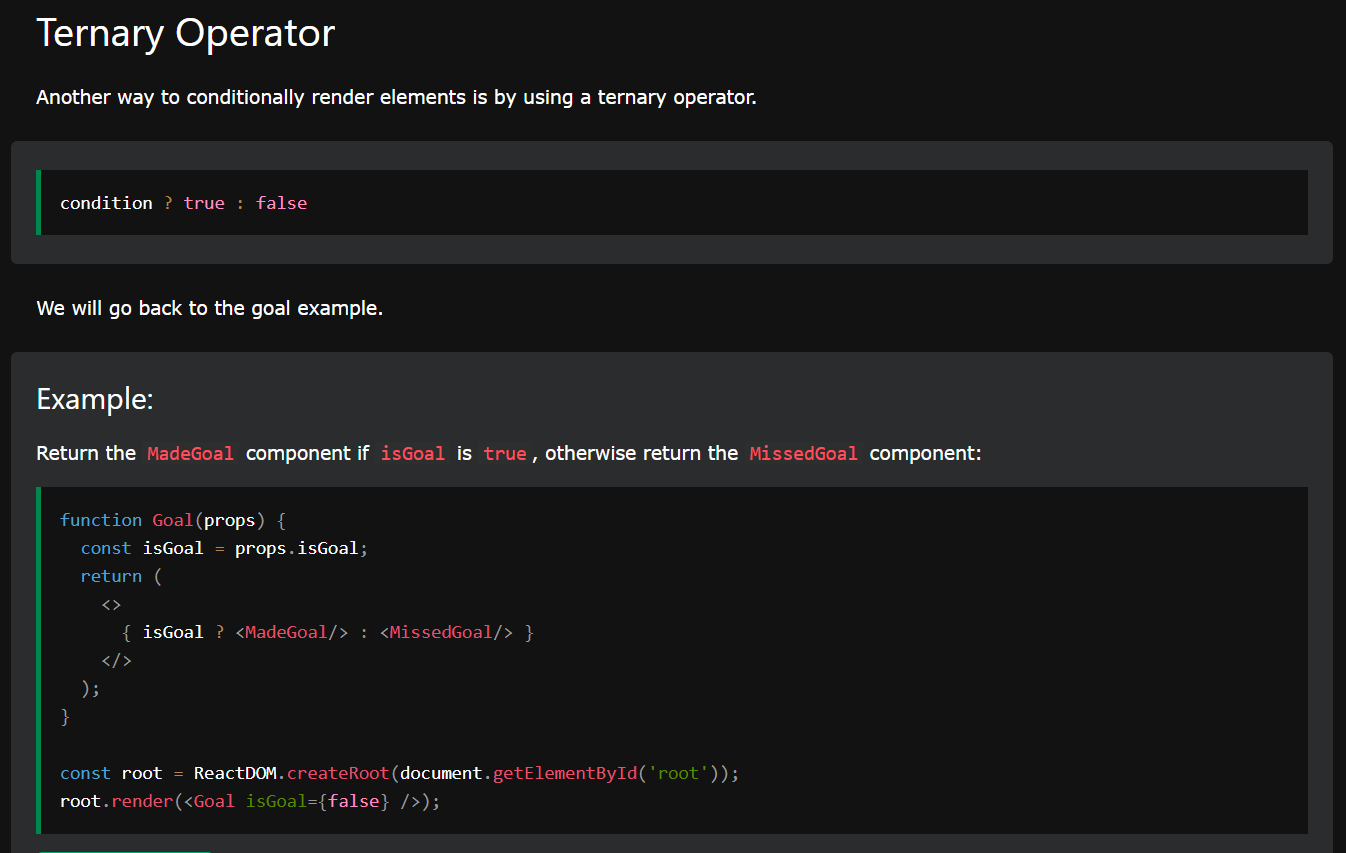


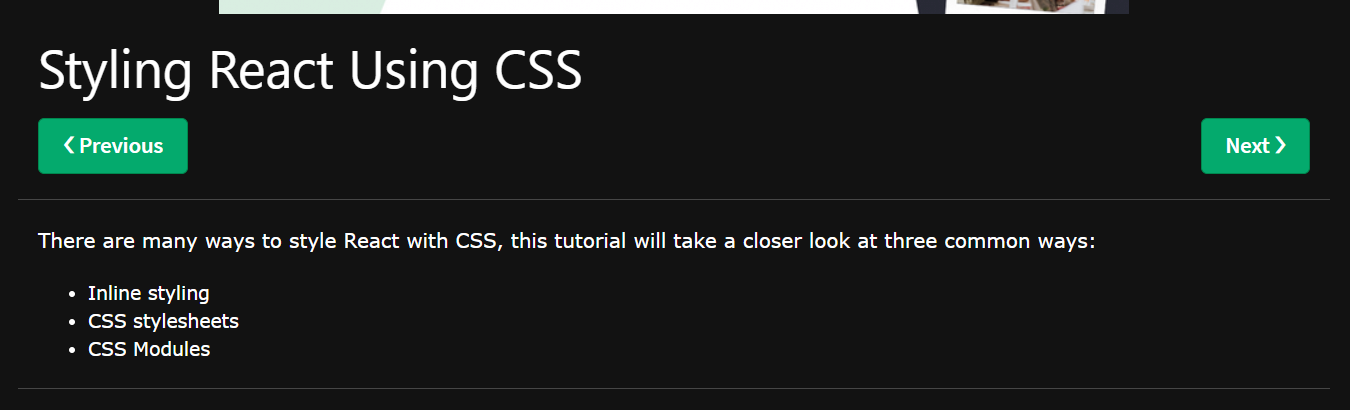


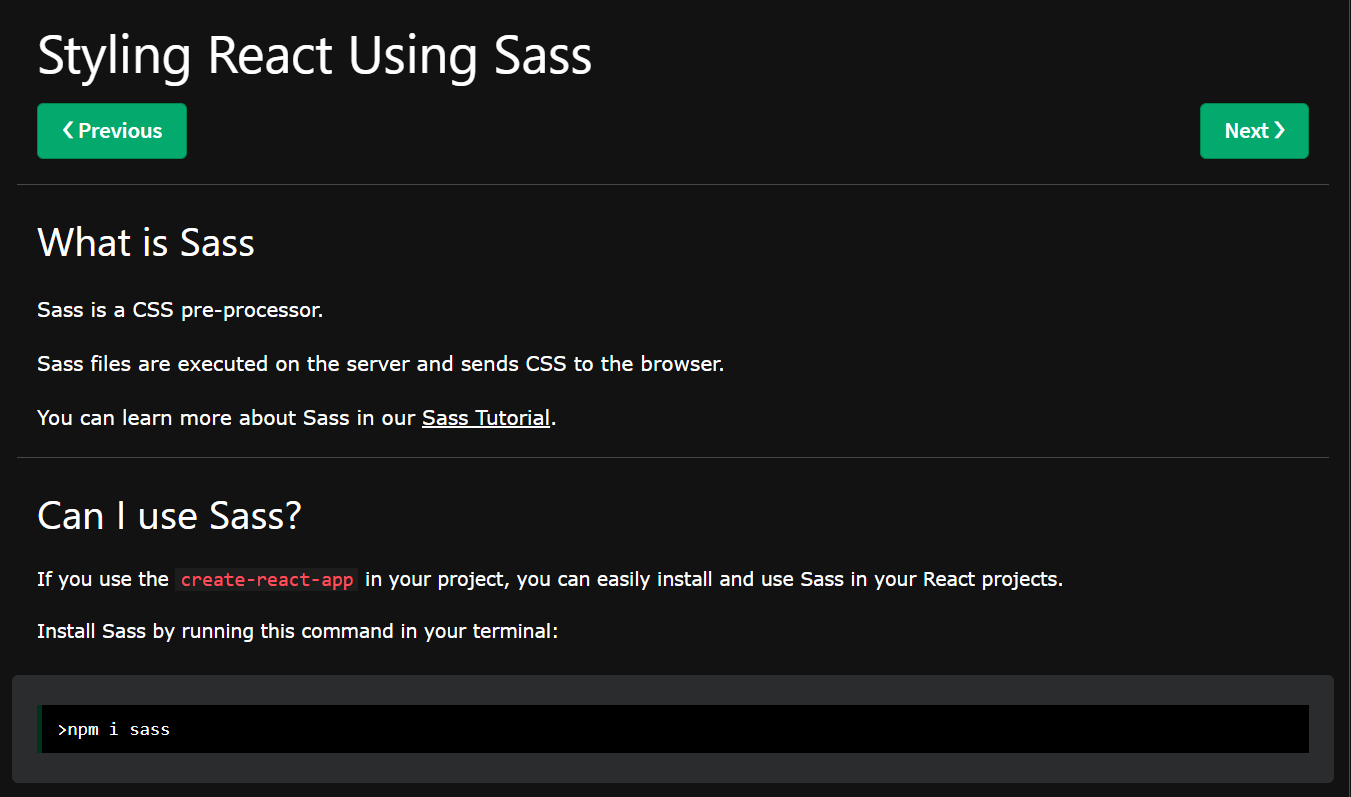
**React Conditional Rendering**











**REACT JS PROJECTS:**

1.Digital Clock: <http://localhost:5173/>

**Refer React Hook :** [**https://www.w3schools.com/react/react\_hooks.asp**](https://www.w3schools.com/react/react_hooks.asp)