WHAT IS JSX?

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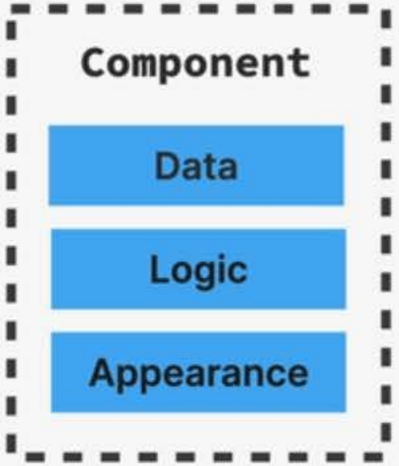

WHAT IS JSX?

JSX

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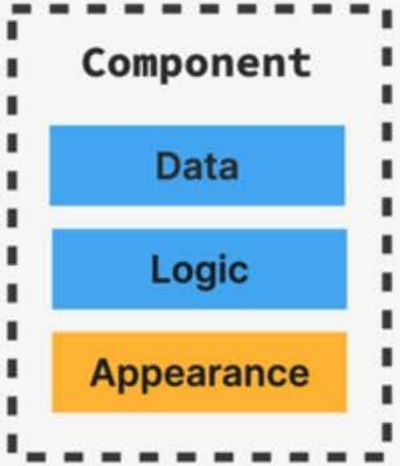

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JSX returned from component

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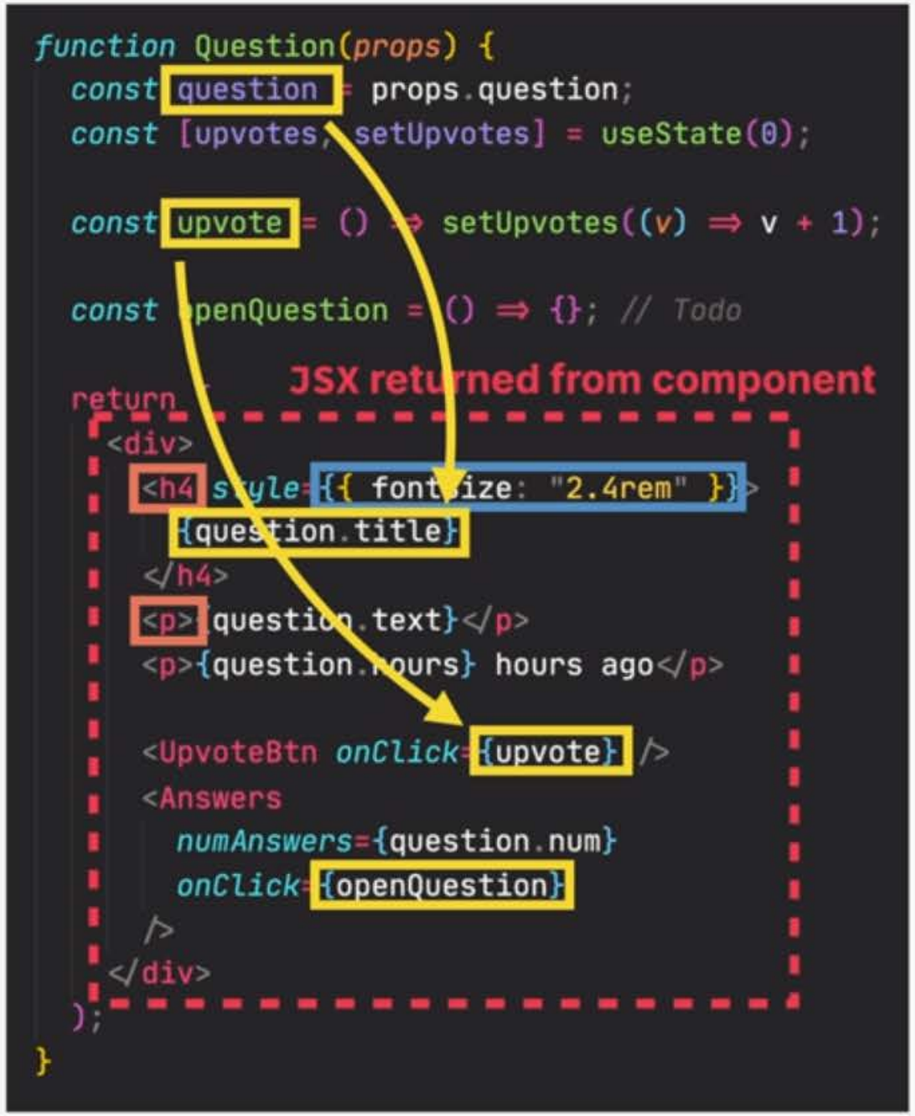

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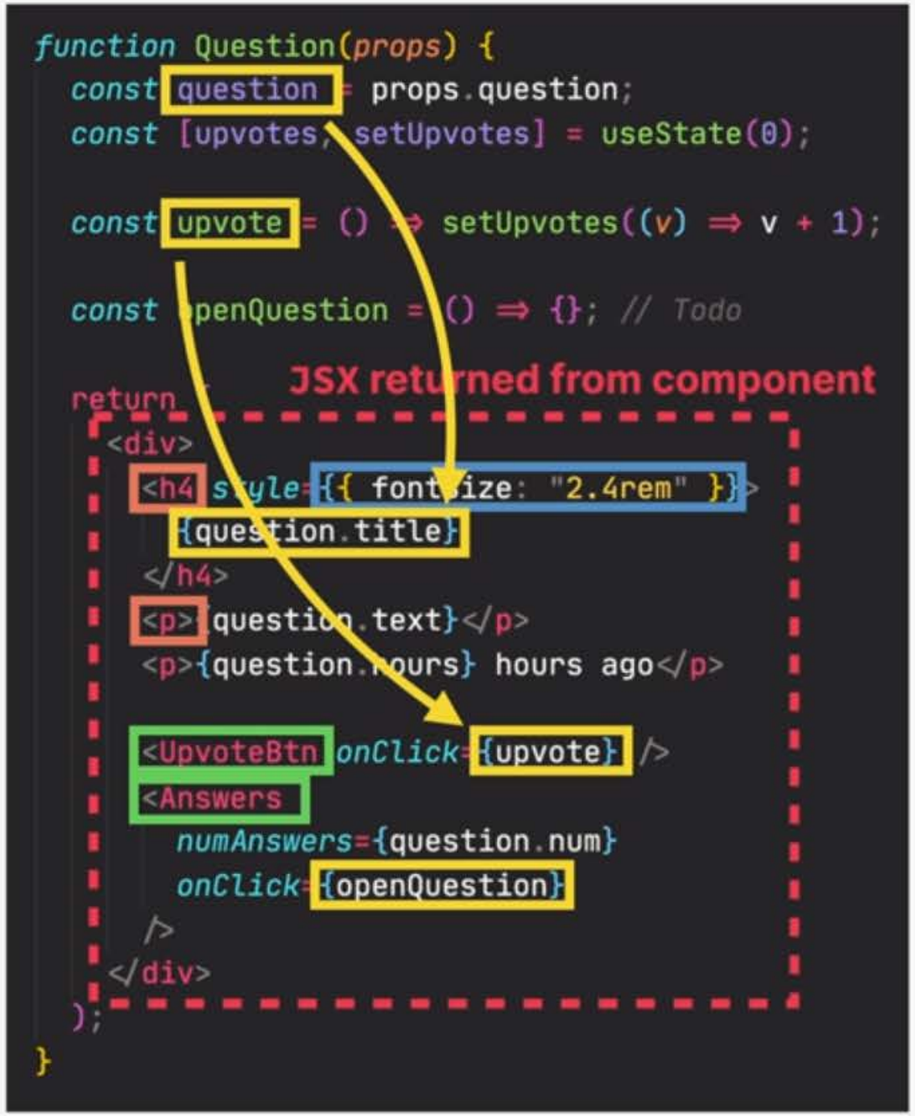

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```jsx
<header>
  <h1 style="color: red">
    Hello React!
  </h1>
</header>
```

```jsx
React.createElement(
  'header',
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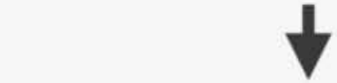

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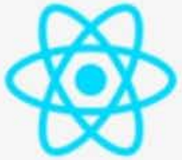

Hello React!

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- Components must **return** a block of JSX
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- Each JSX element is **converted** to a `React.createElement` function call
- We could use React **without JSX**

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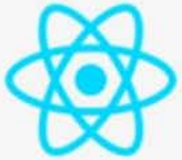

Hello React!

JSX IS **DECLARATIVE**

JSX IS DECLARATIVE

IMPERATIVE

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JS

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JSX IS DECLARATIVE

IMPERATIVE

👉 Manual DOM element selections and DOM traversing

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- 👉 Step-by-step DOM mutations until we reach the desired UI

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DECLARATIVE

- Describe what UI should look like using JSX, **based on current data**

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DECLARATIVE

- Describe what UI should look like using JSX, **based on current data**
- React is an **abstraction** away from DOM: **we never touch the DOM**
- Instead, we think of the UI as a **reflection of the current data**

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