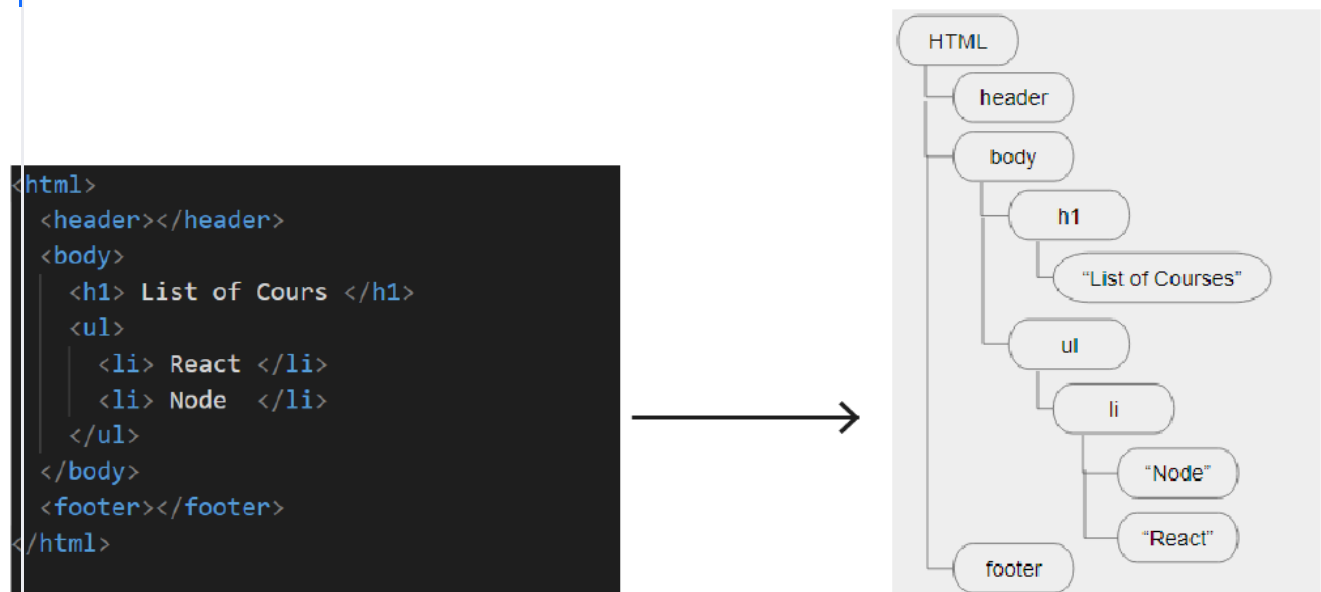


⚡ Current Skill Virtual DOM

## Introduction

To understand how the concept of virtual DOM came to be, let's briefly rewind to the DOM.

This document can be represented by the following DOM tree:



## The V.DOM

- 📁 React maintains two Virtual DOMs at once, one contains the updated Virtual DOM and one which is just the pre-updated version.

Now, it compares the pre-updated version with the updated Virtual DOM and figures out what exactly has changed in the DOM.

This process is known as 'diffing'. Once React finds out what exactly has changed, it only updates the affected objects on Real DOM.

This significantly improves its performance and it is the main reason why Virtual DOM is loved by developers everywhere.



## ReactDOM Explanation

ReactDOM is a package that provides DOM specific methods, it can be used at the top level of a web app to enable an efficient way of managing DOM elements of the web page.

## React and the Virtual DOM

React and the Virtual DOM



## The render method:

ReactDOM provides the developers with API containing and following methods and a lot more.

This method can take a maximum of three parameters as described below.

- **element:** This parameter expects a JSX expression or a React Element to be rendered.
- **container:** This parameter expects the container in which the element is in to be rendered.
- **callback:** This is an optional parameter that expects a function that is to be executed once the render is complete.

```
ReactDOM.render(element, container, callback)
```

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