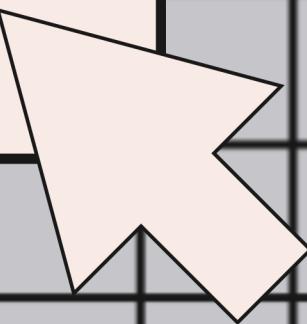


ReactDOM / ReactDOM.render()

Group 3



What is ReactDOM ?

ReactDOM is a core package in React that provides methods for interacting with the Document Object Model (DOM). It is essential for rendering React components and managing updates to the actual DOM efficiently.

How to use ReactDOM ?

1) To use the ReactDOM in any React web app we must first install the react-dom package in our project. To install the react-dom package use the following command.

```
// Installing  
npm i react-dom
```

How to use ReactDOM ?

- 2) After installing the package use the following command to import the package in your application file

```
// Importing  
import ReactDOM from 'react-dom'
```

How to use ReactDOM ?

3) After installing react-dom it will appear in the dependenices in package.json file like:

```
"dependencies": {  
  "react": "^18.2.0",  
  "react-dom": "^18.2.0",  
  "react-scripts": "5.0.1",  
}
```

Why ReactDOM is used ?

ReactDOM is used to efficiently update the real DOM by utilizing the Virtual DOM, which minimizes costly direct manipulations by batching updates and applying them at once, improving performance.

ReactDOM.render()

Render in React JS is a fundamental part of class components. It is used to display the component on the UI returned as HTML or JSX components. The ReactDOM.render() function takes two arguments, HTML code and an HTML element.

ReactDOM.render()

Purpose of render()

- React renders HTML to the web page by using a function called render().
- The purpose of the function is to display the specified HTML code inside the specified HTML element.
- In the render() method, we can read props and state and return our JSX code to the root component of our app.
- In the render() method, we cannot change the state, and we cannot cause side effects(such as making an HTTP request to the webserver).