

createRoot

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Kind: Function

Source: `src/jsx/dom/client.ts`

Part of: `Jsx`

Create a root object for rendering

`createRoot` creates a root object bound to a DOM container for JSX rendering. Use the returned root to render application content into that container and manage its mounted output.

Signature

```
function createRoot(element: HTMLElement | DocumentFragment, options: RootOptions): Root
```

Parameters

Name	Type
<code>element</code>	<code>HTMLElement</code>
<code>options</code>	<code>RootOptions</code>

Returns: `Root`

Diagram

```
graph LR
  Container[DOM container] --> CreateRoot[createRoot]
  CreateRoot --> Root[Root object]
  Root --> Render[render JSX]
  Render --> DOM[Rendered DOM]
```

Usage

```
import { createRoot } from "../jsx/dom/client";

const container = document.getElementById("app");

if (container) {
  const root = createRoot(container);

  root.render(<main>Hello, world!</main>);
}
```

AI Coding Instructions

- Pass a valid DOM container to `createRoot` before rendering JSX.
- Keep the returned root instance and call its rendering methods instead of creating a new root for each update.
- Create the root at the application entry point where the target container is available.
- Ensure JSX output is rendered through the root associated with the intended container.