**Your First Component**

*Components* are one of the core concepts of React. They are the foundation upon which you build user interfaces (UI), which makes them the perfect place to start your React journey!

! You can even jumpstart your project with the thousands of components shared by the React open source community like [Chakra UI](https://chakra-ui.com/) and [Material UI.](https://material-ui.com/)

**A React component is a JavaScript function that you can sprinkle with markup**

**Step 1: Export the component**

The export default prefix is a [standard JavaScript syntax](https://developer.mozilla.org/docs/web/javascript/reference/statements/export) (not specific to React). It lets you mark the main function in a file so that you can later import it from other files. (More on importing in [Importing and Exporting Components](https://react.dev/learn/importing-and-exporting-components)!)

### Step 2: Define the function

With function Profile() { } you define a JavaScript function with the name Profile.

React components are regular JavaScript functions, but **their names must start with a capital letter** or they won’t work!

### Step 3: Add markup

The component returns an <img /> tag with src and alt attributes. <img /> is written like HTML, but it is actually JavaScript under the hood! This syntax is called [JSX](https://react.dev/learn/writing-markup-with-jsx), and it lets you embed markup inside JavaScript.

But if your markup isn’t all on the same line as the return keyword, you must wrap it in a pair of parentheses:

return <img src="https://i.imgur.com/MK3eW3As.jpg" alt="Katherine Johnson" />;

return (

<div>

<img src="https://i.imgur.com/MK3eW3As.jpg" alt="Katherine Johnson" />

</div>

);

Without parentheses, any code on the lines after return [will be ignored](https://stackoverflow.com/questions/2846283/what-are-the-rules-for-javascripts-automatic-semicolon-insertion-asi)!