

Bookstore:**React JS**

Programming language:**JavaScript**

Topic:**Properties and states (Props and states) in React**

Properties (props) are used to store data that can be accessed by children of a React component.

Props simply stands for properties. They are what make components reusable. Because they perform an essential function - they pass data from one component to another.

How to use Props in React?

The first thing we'll look at is how to use properties without destructuring them. Then we'll take a look at how to use properties with destructuring.

Knowing how to use properties without destructuring is essential as a beginner so you can get the idea of how properties work.

How to use properties without destroying them?

We create a functional component. Then we initialize the properties.

So our functional component will look like this:

So basically, we passed in the properties as an argument to our function.

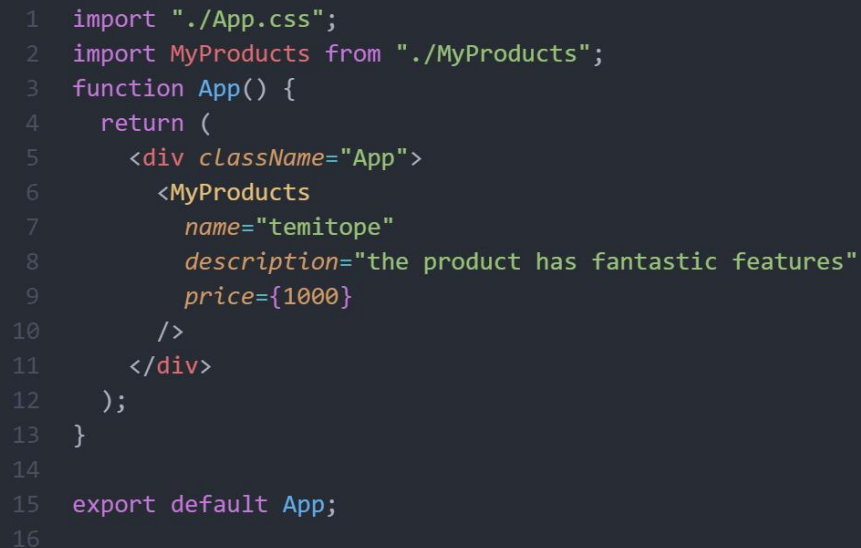
properties are passed as a parameter to our functional component.



```
1 import React from "react";
2
3 function MyProducts(props) {
4   return (
5     <div>
6       <h1>{props.name}</h1>
7       <p>{props.description}</p>
8       <p>{props.price}</p>
9     </div>
10   );
11 }
12
13 export default MyProducts;
14
```

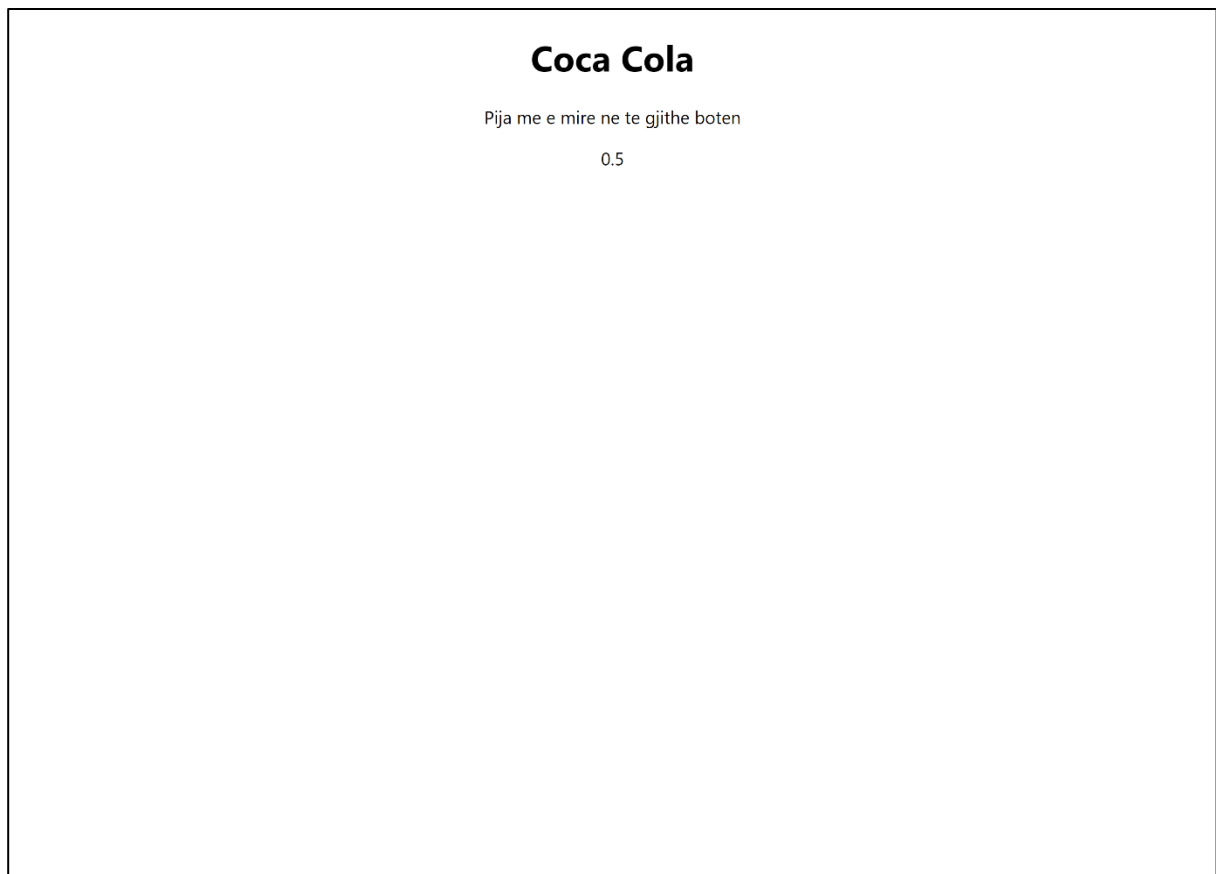
Now that we've done that, we can go back to the file called App.js to render our product and pass some data to these three properties. Props are passed as HTML attributes.

Our App.js will look like this:

A code editor window with a dark background and three colored window control buttons (red, yellow, green) in the top-left corner. The code is written in a light-colored font with syntax highlighting. It shows the App.js file content, including imports, a function definition, and JSX elements.

```
1  import "./App.css";
2  import MyProducts from "./MyProducts";
3  function App() {
4    return (
5      <div className="App">
6        <MyProducts
7          name="temitope"
8          description="the product has fantastic features"
9          price={1000}
10         />
11      </div>
12    );
13  }
14
15  export default App;
16
```

Our result:



How to use properties with destructuring?

Destructuring is a JavaScript feature that allows you to extract sections of data from an array or object.

We can use destructuring with the code from the previous section as below:

```
1  import React from "react";
2
3  function MyProducts({ name, description, price }) {
4    return (
5      <div>
6        <h1>{name}</h1>
7        <p>{description}</p>
8        <p>{price}</p>
9      </div>
10   );
11 }
12
13 export default MyProducts;
14
```