

React Virtual DOM

DOM

div

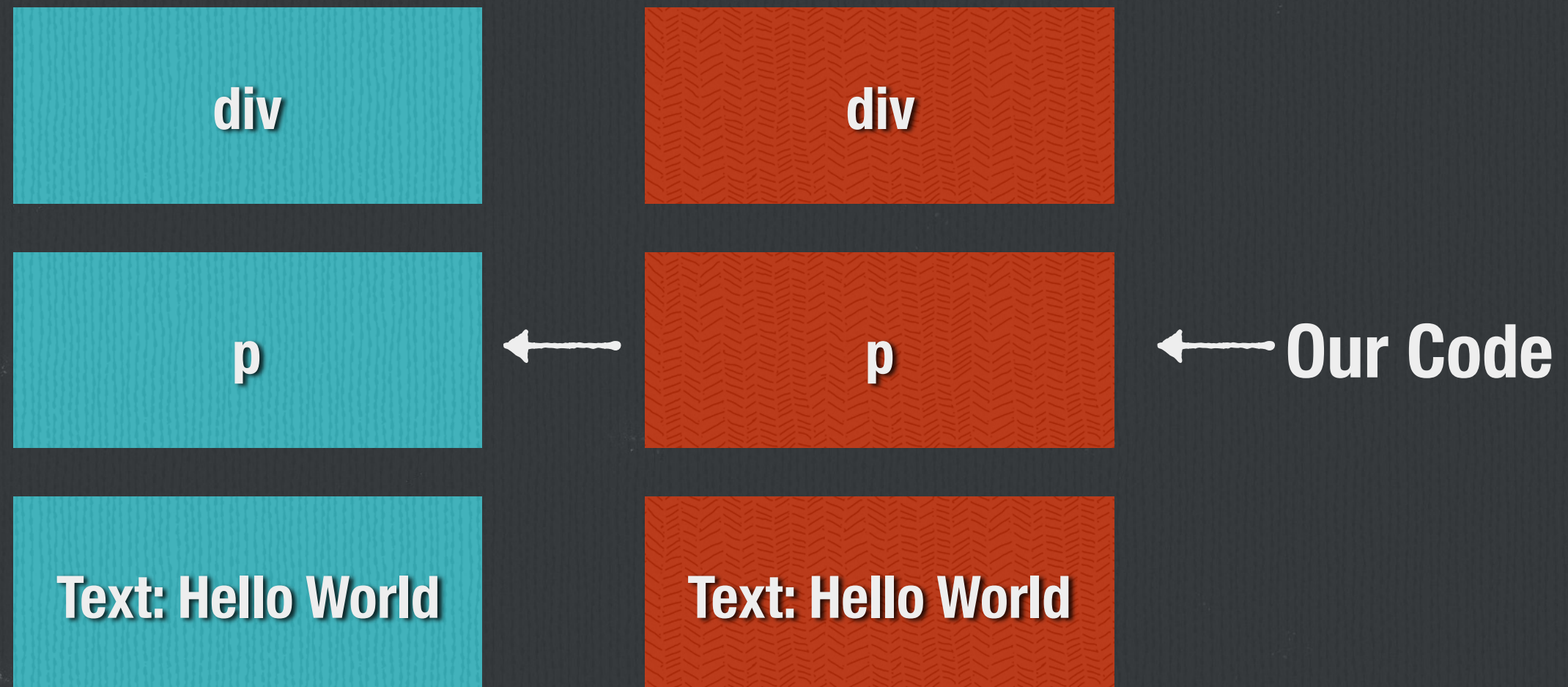
p

Text: Hello World



Our Code

DOM - Virtual DOM



Your Code Creates VDOM

```
function App(props) {  
  return (  
    <div>  
      <p className="demo">Hello World</p>  
    </div>  
  )  
}  
  
ReactDOM.render(<App />, document.querySelector('main'));
```

Your Code Creates VDOM

```
function App(props) {  
  return (  
    React.createElement("div",  
      null,  
      React.createElement("p",  
        { className: "demo" },  
        "Hello World"))  
  );  
}  
  
ReactDOM.render(React.createElement(App, null),  
  document.querySelector('main'));
```


Rendering

Old Virtual DOM

div

p

Text: Hello World



New Virtual DOM

div

p

Text: bye bye beauty

Rendering

```
p.innerHTML = 'bye bye beauty';
```


Virtual DOM Concepts

- ☐ Render creates a Virtual DOM
- ☐ After each change:
 - ☐ new render -> new virtual DOM
- ☐ Fast change detection
- ☐ Commit new changes