

06

Os 2 códigos nesta folha produzem o mesmo resultado.

Você consegue identificar as linguagens usadas?

O que fazem estes códigos?

Quais as semelhanças e diferenças entre eles?

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Imperative Example</title>
</head>
<body>
  <button id="addItem">Add Item</button>

  <ul id="myList">
    <li>Item 1</li>
    <li>Item 2</li>
  </ul>

  <script>
    document.getElementById('addItem').addEventListener('click', function() {
      const list = document.getElementById('myList');
      const newItem = document.createElement('li');
      newItem.textContent = 'New Item';
      list.appendChild(newItem);
    });
  </script>
</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Declarative Example</title>
</head>
<body>
  <div id="root"></div>
  <script
src="https://unpkg.com/react@17/umd/react.development.js"></script>
  <script
src="https://unpkg.com/react-dom@17/umd/react-dom.development.js"></script>
  <script
src="https://unpkg.com/babel-standalone@6/babel.min.js"></script>

  <script type="text/babel">
    function App() {
      const [items, setItems] = React.useState(['Item 1', 'Item 2']);

      function addItem() {
        setItems([...items, 'New Item']);
      }
      return (
        <div>
          <button onClick={addItem}>Add Item</button>
          <ul>
            {items.map((item, index) => <li key={index}>{item}</li>)}
          </ul>
        </div>
      );
    }
    ReactDOM.render(<App />, document.getElementById('root'));
  </script>
</body>
</html>
```