Example

Create a simple React app with the following features:

1. **An input field and "Add" button to enter tasks.**
2. **Display tasks in a list with their index as an ID.**
3. **Each task should have a "Delete" button to remove it by ID (index).**

```
import { useState } from 'react';

function Todo() {
 const [task, setTask] = useState('');
 const [todoList, setTodoList] = useState([]);

 const addTask = () => {
  if (!task.trim()) return;
  setTodoList([...todoList, task]);
  setTask('');
 };

 const deleteTask = (id) => {
  setTodoList(todoList.filter((_, index) => index !== id));
 };

 return (
  <div>
   <h2>Todo List</h2>
   <input
    value={task}
    onChange={(e) => setTask(e.target.value)}
    placeholder="Enter a task"
   />
   <button onClick={addTask}>Add</button>

   <ul>
    {todoList.map((item, index) => (
     <li key={index}>
      {item} (ID: {index})
```

```
      <button onClick={() => deleteTask(index)}>Delete</button>
    </li>
  ))}
  </ul>
 </div>
 );
}

export default Todo;
```
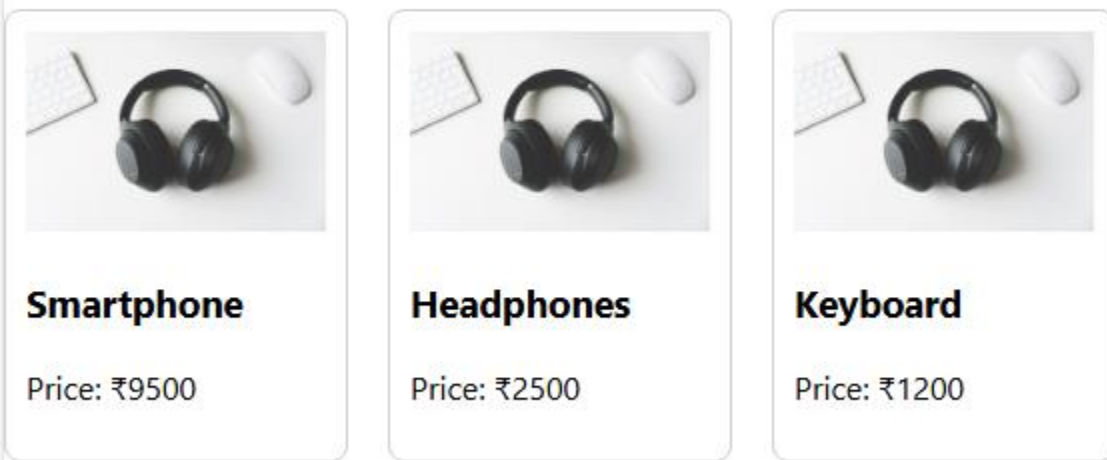
Example

Create a React component that displays a list of products. Each product has a name, price, and image. Use filter() **to show only products with a price less than ₹10,000, and use** map() **to display their details (image, name, and price) on the screen.**

Affordable Products

Smartphone — Price: ₹9500

Headphones — Price: ₹2500

Keyboard — Price: ₹1200

Products.js

```
const ProductList = () => {
 // Array of product objects
 const products = [
  {
    name: 'Smartphone',
    price: 9500,
    image: '1.jpg'
  },
  {
```

```jsx
    name: 'Laptop',
    price: 55000,
    image: '1.jpg'
  },
  {
    name: 'Headphones',
    price: 2500,
    image: '1.jpg'
  },
  {
    name: 'Keyboard',
    price: 1200,
    image: '1.jpg'
  }
];

// Filter products with price less than 10000
const affordableProducts = products.filter(product => product.price < 10000);

return (
  <div>
    <h2>Affordable Products</h2>
    <div style={{ display: 'flex', gap: '20px'}}>
      {affordableProducts.map((product, index) => (
        <div key={index} style={{ border: '1px solid #ccc', padding: '10px', borderRadius: '8px' }}>
          <img src={product.image} alt={product.name} width="150" />
          <h3>{product.name}</h3>
          <p>Price: ₹{product.price}</p>
        </div>
      ))}
    </div>
  </div>
);
};

export default ProductList;
```