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1  /* PRACTICAL-16: Write a React code to build a simple search filter functionality to display a filtered list based on
2  the search query entered by the user.
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6
7  // CODE:
8
9  import React, { useState } from 'react';
10 import './styles.css';
11
12 const SearchFilter = ({ data }) => {
13   const [searchQuery, setSearchQuery] = useState("");
14
15   const handleChange = (e) => {
16     setSearchQuery(e.target.value);
17   };
18
19   const filteredData = data.filter(item =>
20     item.toLowerCase().includes(searchQuery.toLowerCase())
21   );
22
23   return (
24     <div className="search-box">
25       <input
26         type="text"
27         placeholder="Search..."
28         value={searchQuery}
29         onChange={handleChange}
30       />
31       <ul>
32         {filteredData.map((item, index) => (
33           <li key={index}>{item}</li>
34         ))}
35       </ul>
36     </div>
37   );
38 };
39
40 const App = () => {
41   const data = ["Apple", "Banana", "Orange", "Grapes", "Pineapple"];
42
43   return (
44     <div>
45       <h1>PRACTICAL-16 (Search Filter)</h1>
46       <SearchFilter data={data} />
47     </div>
48   );
49 };
50
51 export default App;
```