🔨 Assignment: Filtering Products Using a Search Box

📝 Problem Statement

Create a **React component** that fetches product data from `https://dummyjson.com/products` and displays a **list of products**. Implement a **search functionality** that allows users to filter the products dynamically as they type in a search box.

🔨 Requirements:

1. Fetch product data from **DummyJSON API** (`https://dummyjson.com/products`).
2. Display each product's **title and price** in a list.
3. Add a **search input field** that filters products in real-time.
4. Ensure **case-insensitive search** so that both "iphone" and "iPhone" return results.
5. Display **"No products found"** if no results match the search query.

🔍 Example API Response (Partial)

```
{
  "id": 1,
  "title": "iPhone 9",
  "price": 549
}
```