const products = [

        { name: "Sản phẩm 1", category: "Điện tử", price: 1200, year: 2019 },

        { name: "Sản phẩm 2", category: "Thời trang", price: 300, year: 2021 },

        { name: "Sản phẩm 3", category: "Đồ gia dụng", price: 150, year: 2020 },

        { name: "Sản phẩm 4", category: "Thực phẩm", price: 50, year: 2022 },

        { name: "Sản phẩm 5", category: "Điện tử", price: 800, year: 2018 },

        { name: "Sản phẩm 6", category: "Thể thao", price: 250, year: 2020 },

        { name: "Sản phẩm 7", category: "Giáo dục", price: 100, year: 2019 },

        { name: "Sản phẩm 8", category: "Văn phòng phẩm", price: 20, year: 2021},

        { name: "Sản phẩm 9", category: "Thời trang", price: 500, year: 2019 },

        { name: "Sản phẩm 10", category: "Sức khỏe", price: 600, year: 2022 },

        { name: "Sản phẩm 11", category: "Du lịch", price: 700, year: 2018 },

        { name: "Sản phẩm 12", category: "Công nghệ", price: 1100, year: 2020 },

        { name: "Sản phẩm 13", category: "Thời trang", price: 400, year: 2022 },

        { name: "Sản phẩm 14", category: "Điện tử", price: 850, year: 2021 },

        { name: "Sản phẩm 15", category: "Nội thất", price: 250, year: 2019 },

        { name: "Sản phẩm 16", category: "Thể thao", price: 550, year: 2018 },

        { name: "Sản phẩm 17", category: "Đồ chơi", price: 60, year: 2020 },

        { name: "Sản phẩm 18", category: "Sức khỏe", price: 320, year: 2021 },

        { name: "Sản phẩm 19", category: "Giáo dục", price: 180, year: 2019 },

        { name: "Sản phẩm 20", category: "Văn phòng phẩm", price: 90, year: 2022},

    ];

1. Write a function to display a list of all product names.
2. Create a function to filter products by a specific category.
3. Write a function to sort products by price from low to high.
4. Build a table in JSX showing the name and price of each product.
5. Create a function to reverse the display order of the product list.
6. Write a function to calculate the average price of all products.
7. Create a function to find the highest and lowest priced product.
8. Build a function to display products within a specific price range.
9. Write a function to group products by year of production.
10. Create a function to display a list of products, each with a "Details" button.
11. Build a function to search for products by name.
12. Write a function to calculate the total number of products in a specific category.
13. Create a function to display the newest and oldest product.
14. Build a function to display products based on a chosen criterion.
15. Write a function to display a message if there are no products in a category.
16. Create a function to determine which product has the largest price difference.
17. Build a function to display a list of products, each with a random color.
18. Write a function to create a dropdown list for selecting product categories.
19. Create a function to display a full list of products with detailed information when clicking on a product name.
20. Build a function to display the number of products in each category.