## Overview

Build a React application where users can select a color from a list of predefined colors. When a color is selected, it should update a display area showing the selected color. This app will consist of two main components:

- `ColorPicker` : This parent component will manage the state of the selected color.
- `ColorDisplay` : This child component will receive the selected color as a prop and display it.

## Objectives

1. **Understand and Use State**: Manage the current color in the `ColorPicker` component using React's state.
2. **Pass and Receive Props**: Pass the selected color from `ColorPicker` to `ColorDisplay` as a prop and use it to display the color.

## Requirements

- The `ColorPicker` component should have a list of colors (e.g., red, green, blue, etc.) that the user can choose from.
- The selected color should be stored in the component's state.
- The `ColorDisplay` component should receive the selected color as a prop and display it, e.g., as a colored box or background.
- **Use `useEffect` for Side Effects**: Use `useEffect` to save the selected color to `localStorage` whenever it changes and to retrieve the color from `localStorage` when the app loads.

## Additional Objectives

- **Use `filter` Method**: Implement a filter functionality that updates the displayed color options based on user input.