TASK 6- LIGHT/DARK THEME TOGGLE

Create a class component with a button to switch between light and dark themes.

Use state to keep track of the current theme.

Update the component's background and text colors based on the selected theme.

import React, { Component } from 'react';

class ThemeSwitcher extends Component {

  constructor(props) {

    super(props);

    this.state = {

      isDarkTheme: false

    }}

  toggleTheme = () => {

    this.setState((prevState) => ({

      isDarkTheme: !prevState.isDarkTheme,

    }))};

  render() {

    const lightTheme = {

      backgroundColor: '#f8f9fa',

      color: '#212529',

    };

    const darkTheme = {

      backgroundColor: '#343a40',

      color: '#f8f9fa',

    };

    const currentTheme = this.state.isDarkTheme ? darkTheme : lightTheme;

    return (

      <div style={{ ...currentTheme, minHeight: '100vh' }} className="d-flex flex-column justify-content-center align-items-center">

        <h2>Theme Switcher</h2>

        <p>The current theme is {this.state.isDarkTheme ? 'Dark' : 'Light'}</p>

        <button

          type="button"

          className={`btn ${this.state.isDarkTheme ? 'btn-light' : 'btn-dark'}`}

          onClick={this.toggleTheme}>

          Switch to {this.state.isDarkTheme ? 'Light' : 'Dark'} Theme

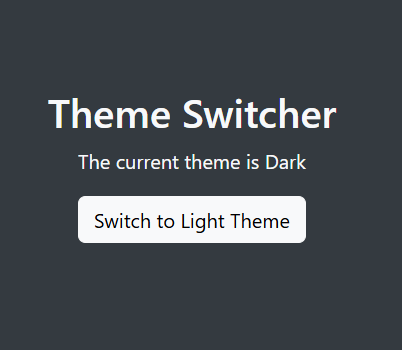
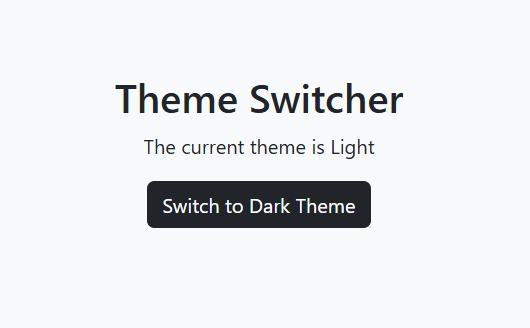
        </button>

      </div>

    )}}

export default ThemeSwitcher;

**OUTPUT:**

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