**14.REACT**

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<link rel="icon" href="%PUBLIC\_URL%/favicon.ico" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Employee Theme Context App</title>

</head>

<body>

<div id="root"></div>

</body>

</html>

**App.js**

import React, { useState } from 'react';

import EmployeeList from './EmployeeList';

import ThemeContext from './ThemeContext';

function App() {

  const [theme, setTheme] = useState('light');

  const toggleTheme = () => {

    setTheme(prev => (prev === 'light' ? 'dark' : 'light'));

  };

  return (

    <ThemeContext.Provider value={theme}>

      <div style={{ padding: 20 }}>

        <h1>Employee Theme Context App</h1>

        <button onClick={toggleTheme}>Toggle Theme</button>

        <EmployeeList />

      </div>

    </ThemeContext.Provider>

  );

}

export default App;

**index.js**

import React from 'react';

import ReactDOM from 'react-dom/client';

import './index.css';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(<App />);

EmployeeCard.js

import React, { useContext } from 'react';

import ThemeContext from './ThemeContext';

const EmployeeCard = ({ employee }) => {

  const theme = useContext(ThemeContext);

  return (

    <div style={{ marginBottom: '10px' }}>

      <p><strong>{employee.name}</strong> - {employee.role}</p>

      <button className={theme}>View Profile</button>

    </div>

  );

};

export default EmployeeCard;

**EmployeeList.js**

import React from 'react';

import EmployeeCard from './EmployeeCard';

const EmployeeList = () => {

  const employees = [

    { id: 1, name: 'Alice', role: 'Developer' },

    { id: 2, name: 'Bob', role: 'Designer' }

  ];

  return (

    <div>

      <h2>Employee List</h2>

      {employees.map(emp => (

        <EmployeeCard key={emp.id} employee={emp} />

      ))}

    </div>

  );

};

export default EmployeeList;

**ThemeContext.js**

import React from 'react';

const ThemeContext = React.createContext('light');

export default ThemeContext;

**Output:**



