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14.React.js – HOL

Command : npx create-react-app employee-theme-app

ThemeContext.js

```
import { createContext } from 'react';

const ThemeContext = createContext('light');

export default ThemeContext;
```

App.js

```
import React, { useState } from 'react';

import EmployeesList from './EmployeesList';

import ThemeContext from './ThemeContext';

import './App.css';

const App = () => {

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

 const toggleTheme = () =>

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

 return (

  <ThemeContext.Provider value={theme}>

   <div className={`app ${theme}`}>

    <h1>Employee Management</h1>

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

```
      <EmployeesList />

    </div>

  </ThemeContext.Provider>

 );

};

export default App;
```

EmployeesList.js

```
import React from 'react';

import EmployeeCard from './EmployeeCard';

const EmployeesList = () => {

 const employees = [

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

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

   { id: 3, name: 'Charlie', position: 'Manager' },

 ];

 return (

  <div>

    {employees.map((emp) => (

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

    ))}

  </div>

 );

};

export default EmployeesList;
```

EmployeeCard.js

```javascript
import React, { useContext } from 'react';

import ThemeContext from './ThemeContext';

import './EmployeeCard.css';

const EmployeeCard = ({ employee }) => {

  const theme = useContext(ThemeContext);

  return (

    <div className={`employee-card ${theme}`}>

      <h3>{employee.name}</h3>

      <p>{employee.position}</p>

      <button className={`btn-${theme}`}>View Profile</button>

    </div>

  );

};

export default EmployeeCard;
```

App.css

```css
.app {

  font-family: Arial, sans-serif;

  padding: 20px;

}

.app.light {

  background-color: #ffffff;

  color: #000000;

}
```

```css
.app.dark {

  background-color: #333333;

  color: #ffffff;

}

button {

  padding: 8px 12px;

  margin-bottom: 20px;

}
```

EmployeeCard.css

```css
.employee-card {

  border: 1px solid gray;

  padding: 10px;

  margin-bottom: 10px;

  border-radius: 6px;

}

.employee-card.light {

  background-color: #f0f0f0;

  color: black;

}

.employee-card.dark {

  background-color: #444;

  color: white;

}

.btn-light {
```

```css
  background-color: white;

  color: black;

  border: 1px solid black;

}

.btn-dark {

  background-color: black;

  color: white;

  border: 1px solid white;

}
```
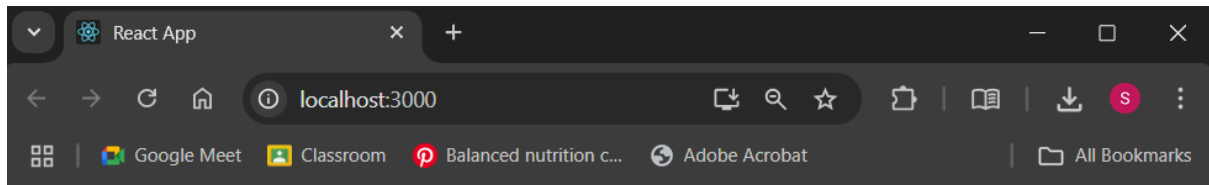
Command : npm start

Output :

Before clicking Toggle Theme button

After Clicking Toggle Theme button