ReactJS HOL3 - Solution

# 1. Create React App

To create a React project named scorecalculatorapp, use the following command in the terminal of Visual Studio Code:

npx create-react-app scorecalculatorapp

# 2. Create Components Folder

Navigate to the 'src' directory and create a folder named 'Components'. Inside this folder, create a file named CalculateScore.js.

# 3. CalculateScore.js

Add the following code in Components/CalculateScore.js:

import React from 'react';  
import '../Stylesheets/mystyle.css';  
  
function CalculateScore(props) {  
 const average = (props.total / props.goal).toFixed(2);  
  
 return (  
 <div className="score-card">  
 <h2>Score Calculator</h2>  
 <p><strong>Name:</strong> {props.name}</p>  
 <p><strong>School:</strong> {props.school}</p>  
 <p><strong>Total Score:</strong> {props.total}</p>  
 <p><strong>Goal:</strong> {props.goal}</p>  
 <p><strong>Average Score:</strong> {average}</p>  
 </div>  
 );  
}  
  
export default CalculateScore;

# 4. Add Stylesheet

Create a folder named 'Stylesheets' inside 'src', and add a file named mystyle.css. Use the following styles:

.score-card {  
 border: 2px solid #4CAF50;  
 padding: 20px;  
 margin: 20px;  
 border-radius: 10px;  
 background-color: #f9f9f9;  
 width: 400px;  
}  
  
.score-card h2 {  
 color: #4CAF50;  
}

# 5. Edit App.js

Replace the content of src/App.js with the following code to render the CalculateScore component:

import React from 'react';  
import './App.css';  
import CalculateScore from './Components/CalculateScore';  
  
function App() {  
 return (  
 <div className="App">  
 <CalculateScore name="Ayush Kumar" school="KIIT University" total={450} goal={5} />  
 </div>  
 );  
}  
  
export default App;

# 6. Run the Application

Open a terminal, navigate to the scorecalculatorapp directory, and run the following command:

npm start

This will open the app in your browser at http://localhost:3000.