| **3. ReactJS-HOL** |
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**Hands-on Lab: Creating a Score Calculator App in React**

In this hands-on lab, you will learn how to create a functional component in React, apply styles using a CSS file, and render that component inside your application. The final goal is to display the average score of a student based on provided data.

**Step 1: Create the React App**

Open Visual Studio Code and its integrated terminal. To create a new React app called “scorecalculatorapp”, type the following command in the terminal

**npx create-react-app scorecalculatorapp**

This command initializes a React application using Create React App (CRA) and also installs all required dependencies listed in package.json.

**Step 2: Create a Functional Component**

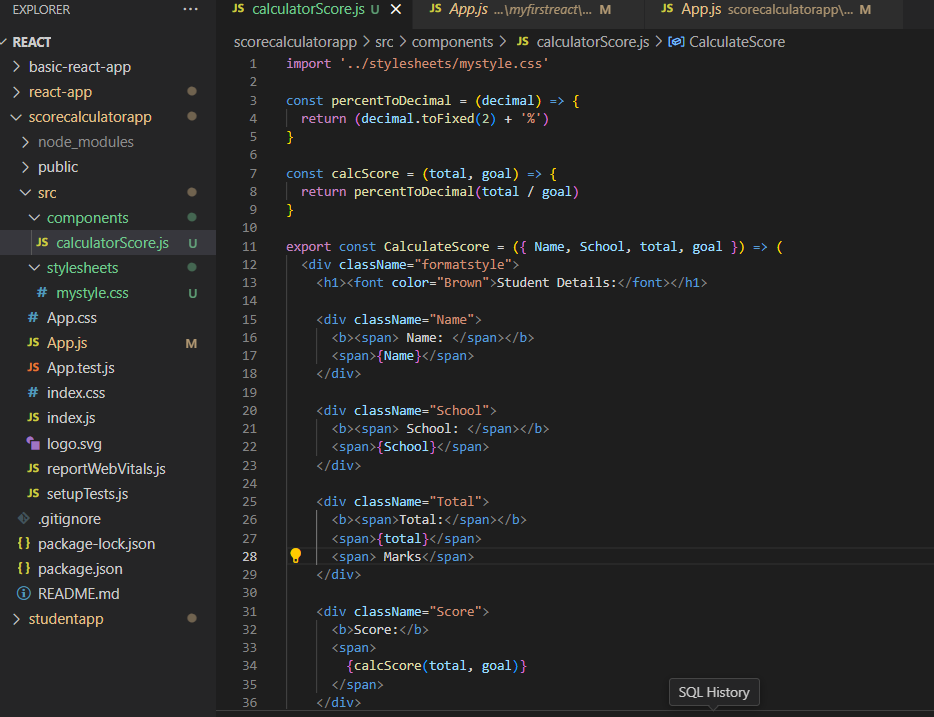
Inside the src directory of your new React project, create a folder named Components. Within that folder, add a file named CalculateScore.js. This file will contain a function component called CalculateScore, which takes input data like Name, School, Total, and Goal, calculates the average score, and displays it using JSX.

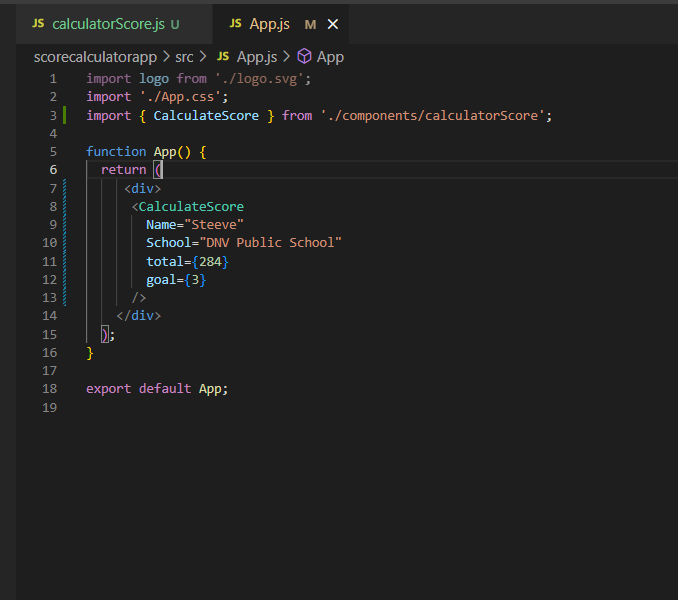
**Step 3: Add Styles**

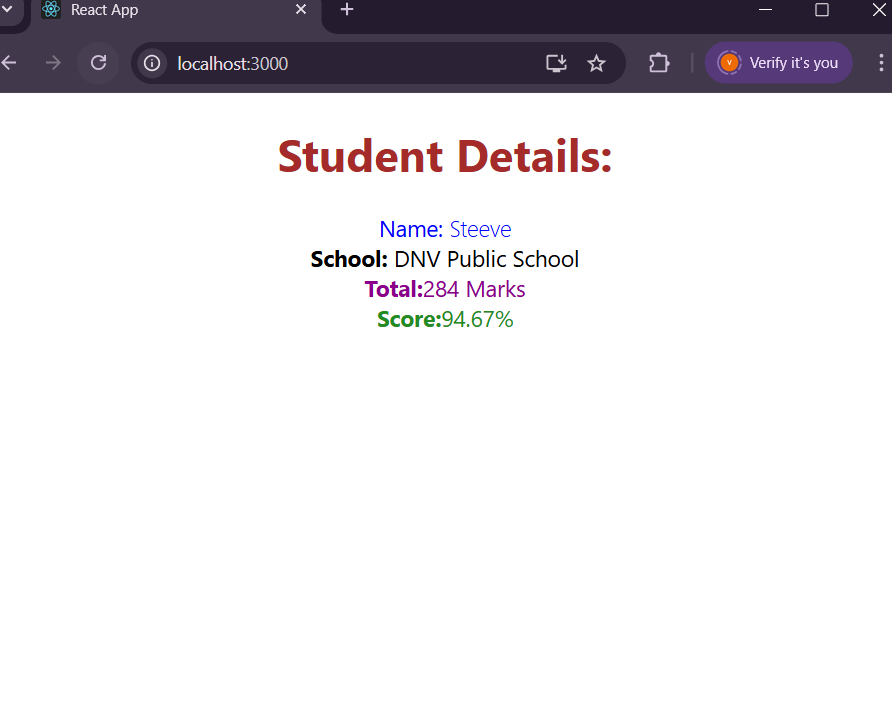
Now, to apply styles to your component, go back to the src folder and create another folder named Stylesheets. Inside this folder, add a file named mystyle.css.

**Step 4: Edit App.js to Render the Component**

To display the CalculateScore component on your homepage, open App.js in the src folder and update it as follows:



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