Hands on 3

Solution:

**1. Create the React Project**

Open your terminal and run:

npx create-react-app scorecalculatorapp

**2. Create the Components Folder and File**

Navigate to the src directory and create a folder named components. Inside it, create a file called CalculateScore.js.

**3. Add the CalculateScore Component**

In src/components/CalculateScore.js, add the following code:

import '../Stylesheets/mystyle.css';

const percentToDecimal = (decimal) => {

    return decimal.toFixed(2) + '%';

}

const calcScore = (total, goal) => {

    return percentToDecimal((total / goal) \* 100);

}

export const CalculateScore = ({ Name, School, total, goal }) => (

    <div className="formatstyle">

        <h1><font color="Brown">Student Details:</font></h1>

        <div className="Name">

            <b><span> Name: </span></b>

            <span>{Name}</span>

        </div>

        <div className="School">

            <b><span> School: </span></b>

            <span>{School}</span>

        </div>

        <div className="Total">

            <b><span>Total:</span></b>

            <span>{total}</span>

            <span> Marks</span>

        </div>

        <div className="Score">

            <b>Score:</b>

            <span>

                {calcScore(total, goal)}

            </span>

        </div>

    </div>

);

**4. Create the Stylesheets Folder and CSS File**

In the src directory, create a folder named Stylesheets and add a file called mystyle.css.Add the following styles to mystyle.css:

.Name {

    font-weight: 300;

    color: blue;

}

.School {

    color: crimson;

}

.Total {

    color: darkmagenta;

}

.formatstyle {

    text-align: center;

    font-size: large;

}

.Score {

    color: forestgreen;

}

**5. Edit App.js to Use the Component**

import { CalculateScore } from './components/CalculateScore';

function App() {

  return (

    <div>

      <CalculateScore

        Name={"Steeve"}

        School={"DNV Public School"}

        total={284}

        goal={300}

      />

    </div>

  );

}

export default App;

**6. Run the Application**

In your terminal, navigate to the project directory and start the development server:

npm start

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

Output:

