Create a react app for Student Management Portal named scorecalculatorapp and create a function component named “CalculateScore” which will accept Name, School, Total and goal in order to calculate the average score of a student and display the same.

1. Create a React project named “scorecalculatorapp” type the following command in terminal of Visual studio:
2. Create a new folder under Src folder with the name “Components”. Add a new file named “CalculateScore.js”
3. Type the following code in CalculateScore.js
4. Create a Folder named Stylesheets and add a file named “mystyle.css” in order to add some styles to the components:
5. Edit the App.js to invoke the CalculateScore functional component as follows:
6. In command Prompt, navigate into scorecalculatorapp and execute the code by typing the following command:
7. Open browser and type “localhost:3000” in the address bar:

**package.json**

{

"name": "scorecalculatorapp",

"version": "0.1.0",

"private": true,

"dependencies": {

"react": "^18.2.0",

"react-dom": "^18.2.0",

"react-scripts": "5.0.1"

},

"scripts": {

"start": "react-scripts start",

"build": "react-scripts build",

"test": "react-scripts test",

"eject": "react-scripts eject"

},

"browserslist": {

"production": [

">0.2%",

"not dead",

"not op\_mini all"

],

"development": [

"last 1 chrome version",

"last 1 firefox version",

"last 1 safari version"

]

}

}

**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" />

<meta name="theme-color" content="#000000" />

<title>React App</title>

</head>

<body>

<noscript>You need to enable JavaScript to run this app.</noscript>

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

</body>

</html>

**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(

<React.StrictMode>

<App />

</React.StrictMode>

);

**index.css**

body {

margin: 0;

font-family: Arial, Helvetica, sans-serif;

background-color: #fff;

}

**App.js**

import React from 'react';

import './App.css';

import CalculateScore from './Components/CalculateScore';

function App() {

return (

<div className="App">

<CalculateScore name="Gopinath" school="DNV Public School" total={284} goal={300} />

</div>

);

}

export default App;

**App.css**

.App {

text-align: center;

}

**CalculateScore.js**

import React from 'react';

import '../Stylesheets/mystyle.css';

function CalculateScore(props) {

const { name, school, total, goal } = props;

const score = ((total / goal) \* 100).toFixed(2);

return (

<div className="main">

<h1>Student Details:</h1>

<p>

<b className="name">Name:</b>

<span className="value">{name}</span>

</p>

<p><b className="school">School:</b> {school}</p>

<p><b className="total">Total:</b> {total}Marks</p>

<p><b className="score">Score:</b>{score}%</p>

</div>

);

}

export default CalculateScore;

**mystyle.css**

.main {

text-align: center;

margin-top: 100px;

}

h1 {

color: brown;

}

.name {

color: blue;

}

.school {

color: crimson;

}

.total {

color: purple;

}

.score {

color: green;

}

.value {

color: cornflowerblue;

}

**OUTPUT**

**A screen shot of a computer

AI-generated content may be incorrect.**