**ReactJS-HOL- Exercise 3**

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:**



1. **Create a new folder under Src folder with the name “Components”. Add a new file named “CalculateScore.js”**
2. **Type the following code in CalculateScore.js:**

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

const percentToDecimal = (decimal) => {

  return (decimal.toFixed(2) + '%');

};

const calcScore = (total, goal) => {

  return percentToDecimal(total / goal);

};

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>

);

1. **Create a Folder named Stylesheets and add a file named “mystyle.css” in order to add some styles to the components:**

.Name span,

.School span,

.Total span,

.Score span {

font-weight: normal;

}

.Name span:first-child,

.School span:first-child,

.Total span:first-child,

.Score span:first-child {

font-weight: bold;

}

.Name {

color: blue;

}

.School {

color: crimson;

}

.Total {

color: darkmagenta;

}

.Score {

color: forestgreen;

}

.formatstyle {

text-align: center;

font-size: large;

}

h1 {

color: brown;

font-weight: bold;

}

1. **Edit the App.js to invoke the CalculateScore functional component as follows:**

import React from 'react';

import './App.css';

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

function App() {

  return (

    <div className="App">

      <CalculateScore

        Name="Ishika Jain"

        School="XYZ High School"

        total={450}

        goal={5}

      />

    </div>

  );

}

export default App;

1. **In command Prompt, navigate into scorecalculatorapp and execute the code by typing the following command:**

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1. **Open browser and type “localhost:3000” in the address bar:**

**OUTPUT:**

A screen shot of a computer

AI-generated content may be incorrect.